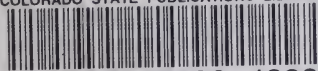


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TWENTY-THIRD BIENNIAL REPORT
OF THE
STATE ENGINEER
TO THE
GOVERNOR OF COLORADO
FOR THE YEARS
1925-1926



Twenty-Third Biennial
Report

OF THE

STATE ENGINEER

TO THE

Governor of Colorado

Compliments of
M. C. HINDERLIDER
STATE ENGINEER

For the Years 1925-1926

LETTER OF TRANSMITTAL

SIR:

In compliance with the provisions of law, I have the honor to transmit herewith the Twenty-third Biennial Report of the activities of the Department of State Engineer, for the two fiscal years ending November 30, 1926.

Very respectfully,

M. C. HINDERLIDER,
State Engineer

To His Excellency,

CLARENCE J. MORLEY,
Governor.



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LIST OF OFFICERS AND EMPLOYEES

State Engineering Department

M. C. Hinderlider.....	State Engineer
C. C. Hezmalhalch.....	Deputy State Engineer
J. H. Baily.....	Chief Hydrographer
W. T. Blight.....	Chief Clerk and Draftsman
Bessie Clark	Stenographer
J. R. Williams.....	Hydrographer, Div. No. 1
C. E. Feetham.....	Hydrographer, Div. No. 1
H. D. Amsley.....	Hydrographer, Div. No. 2
(Dec., 1924-March 1, 1926)	
F. C. Snyder.....	Hydrographer, Div. No. 2
D. S. Jones, Jr.....	Hydrographer, Div. No. 3
A. W. Ingham.....	Hydrographer, Div. No. 4

IRRIGATION DIVISION ENGINEERS

Div. No. 1, Filmore Cogswell	Denver
Div. No. 2, C. W. Beach.....	Pueblo
Div. No. 3, E. S. Counselor.....	Alamosa
Div. No. 4, H. C. Getty.....	Montrose
Div. No. 5, A. J. Dickson.....	Glenwood Springs
Div. No. 6, B. T. Chase.....	Steamboat Springs

WATER COMMISSIONERS

Div. No.	Dist. No.	Name	Address
1	1	J. K. Samples.....	Brush
1	2	Chas. C. Pearce.....	Brighton
1	3	W. J. McAnelly.....	Fort Collins
1	4	H. H. Kelly.....	Loveland
1	5	J. A. Lee.....	Hygiene
1	6	James M. Platt.....	Boulder
1	7	A. E. Jones.....	Golden
1	8	Louis Bertolett	Littleton
1	9	H. S. Rainwater.....	Morrison
2	10	W. F. Starsmore.....	Colorado Springs
2	11	A. M. Carpenter.....	Salida
2	12	D. S. Jones.....	Canon City
2	13	H. W. Hendershot.....	Westcliffe
2	14	Joe Burgess	Pueblo
2	15	John Simonson	Beulah
2	16	H. W. Craig.....	La Veta
2	17	S. W. Cressy.....	Rocky Ford
2	18	Juan A. Mestas.....	Aguilar
2	19	H. B. Bostick.....	Trinidad
3	20	Thomas Carr	Del Norte
3	21	Wm. Neff	La Jara
3	22	Frank L. Fair.....	Romeo
1-2	23	J. Desserick	Pine
3	24	Miguel Martinez	San Luis
3	25	John L. Charles	Crestone
3	26	S. O. Proffitt.....	Saguache
3	27	Jas. Medina	La Garita
4	28	J. Roy Hicks.....	Sargents
4	29	F. A. Byrne.....	Pagosa Springs
4	30	George H. Tyner	Falfa
4	31	No Commissioner	
4	32	No Commissioner	
4	33	Jerry Griggs	Breen
4	34	Hugo Weston	Maneos
3	35	Stephen Calkins	Fort Garland
5	36	No Commissioner	
5	37	B. F. Long	Eagle
5	38	P. K. Barthel.....	Carbondale
5	39	Isam W. Graham.....	Rifle
4	40	C. H. Luellen.....	Eckert
4	41	A. J. Baxter.....	Montrose
4	42	George M. Saunders	Mesa
6	43	F. A. Carstens.....	Meeker
6	44	Eben Hamilton	Hamilton
5	45	R. S. Glenn.....	Silt
1	47	Clarence Boston	Walden

Div. No.	Dist. No.	Name	Address
1	48	R. A. Mosier.....	Jelm, Wyo.
2	49	.....	.....
5	50	No Commissioner .....	.....
5	51	P. S. Elting.....	Sulphur Springs
5	52	Carl Forster	Radium
5	53	A. L. Plasters.....	Burns
6	54	E. W. Leggett.....	Baggs, Wyo.
6	55	No Commissioner .....	.....
6	56	No Commissioner .....	.....
6	57	.....	.....
6	58	E. H. Godfrey.....	Yampa
4	59	A. D. McKee.....	Gunnison
4	60	E. Lin Guy.....	Redvale
4	61	W. O. Roberts.....	Bedrock
4	62	Wm. Sammons	Powderhorn
4	63	No Commissioner .....	.....
1	64	John M. Shea.....	Sterling
1	65	John Hultquist	Laird
2	67	H. P. Syp.....	Lamar
4	68	Wm. R. Burkitt.....	Ridgway
4	69	J. W. Westcott.....	Cedar
5	70	John Moore	DeBeque

CHAPTER I

INTRODUCTION

The office of State Engineer was created in 1881 for the principal purpose of administering the court decrees relating to the adjudicated water supplies of the state. Since that time each successive General Assembly has placed additional duties upon the office which, together with the enormous growth of our principal industry, irrigated agriculture, has made it necessary to greatly extend the activities originally contemplated, until today such activities require the direct and regular employment of some twenty persons, and the supervision of more than one hundred and fifty additional assistants. While appropriations made available for defraying the expenses of this department have been increased from time to time, such sums are scarcely adequate to meet the ever-growing demands upon the office.

Colorado has one of the best and most effective systems of water laws of any of the arid states. These laws have proven well adapted to the development of our state and the conservation of her water supplies.

In recent years there has been created an organization of water officials and hydrographers, whose duty it is to administer and measure out the public water supplies of the state to the rightful owner in accordance with the decrees of the courts. This organization has recently been referred to by an experienced Government official, as the most comprehensive and effective of the kind in the western states.

Due to inadequate funds, the legitimate and useful activities of the office are of necessity limited almost entirely to administrative duties. The great need for extending the scope of activities along investigational lines, such as has been carried out so successfully in California, is allowed to remain unsatisfied.

The inadequate salary paid the head of the office has not been increased in forty-three years, while the remuneration received by other members of the department is certainly not in keeping with American ideals of justice. The administration of the affairs of the office of State Engineer cost the land owners under our irrigation systems, about 1 1-3c per acre per year. If the revenues made available for its support were increased by one-third of a cent per acre, the value of the office to the taxpayer could be greatly enhanced.

An office of the importance of this one, should be provided with a complete set of carefully prepared maps of all the major river basins of the state. Such maps should show in great detail the location and extent of the irrigated and irrigable lands, source of water supplies, area of drainage basins, reservoirs, irrigation and drainage systems, seeped areas, river profiles, etc. Unfortunately, such is not the case. Maps published by the U. S. General Land Office, Geological Survey and Forestry Department,

while invaluable, do not provide detailed information most needful in the administration of this office. As an initial move to correct this fault, a comprehensive map of the Arkansas River Valley was prepared last year by this office along the lines mentioned. Further effort in this respect is contemplated if funds which may be applied to such purpose, are made available.

The last Legislature failed to renew the appropriation for a filing clerk. The duties of that office, together with the regular stenographic work, has been performed in most excellent manner by Miss Bessie Clark, the efficient stenographer of this office. The consolidation of the duties of both assistants was made possible through the installation of a modern vertical filing system for all the office correspondence. This has very materially increased the efficiency of the clerical department and has resulted in a saving of \$1,200 per year to the state.

In order to keep apace with the increasing demands upon this office certain changes and additions to the vault, counter and filing devices are absolutely essential. The present equipment, with exception of such additions as could be purchased from the meager funds of the office, was installed and has been in use since 1903. The only new equipment supplied by the Board of Capitol Managers during the past twenty years has been a desk for use of the State Engineer, although repeated requests have been made for adequate equipment.

Within the new biennium it will be absolutely necessary to provide additional filing equipment for the voluminous records which must be kept close at hand for ready reference.

An office draftsman is badly needed. In former years such an assistant was practically a permanent fixture, but this custom seems to have vanished within more recent years.

CHAPTER II.

FINANCIAL STATEMENT

Appropriations	1925	1926	Total
State Engineer, salary.....	\$3,000.00	\$3,000.00	\$ 6,000.00
Deputy State Engineer, salary.....	2,400.00	2,400.00	4,800.00
Chief Clerk, salary.....	2,000.00	2,000.00	4,000.00
Chief Hydrographer, salary.....	2,400.00	2,400.00	4,800.00
Five Hydrographers, salaries.....	9,000.00	9,000.00	18,000.00
Stenographer, salary.....	1,200.00	1,200.00	2,400.00
File Clerk, salary.....	400.00	.....	400.00
Division Engineer, Division No. 1, salary....	2,500.00	2,500.00	5,000.00
Division Engineer, Division No. 2, salary....	2,500.00	2,500.00	5,000.00
Division Engineer, Division No. 3, salary....	2,100.00	2,100.00	4,200.00
Division Engineer, Division No. 4, salary....	2,100.00	2,100.00	4,200.00
Division Engineer, Division No. 5, salary....	2,100.00	2,100.00	4,200.00
Division Engineer, Division No. 6, salary....	2,100.00	2,100.00	4,200.00
Traveling and Contingent Fund, State Engineer and Deputies.....	1,500.00	1,500.00	3,000.00
Incidental expense, including gage readers' salaries, purchase of equipment, repairs to same, installation and upkeep of river stations.....	1,500.00	1,500.00	3,000.00
Traveling expense, six Division Engineers....	6,000.00	6,000.00	12,000.00
Traveling expense, five Hydrographers.....	3,750.00	3,750.00	7,500.00
Traveling expense, Chief Hydrographer.....	600.00	600.00	1,200.00
Incidental and Contingent expense, including printing, postage, stationery, supplies, telephone, express and miscellaneous items...	2,000.00	2,000.00	4,000.00
Balances turned back to General Fund from appropriations:			
Traveling and Contingent Fund.....			\$ 322.70
Chief Hydrographers' Expense.....			29.08
Hydrographers' Expense.....			2.80
Division Engineers' Expense.....			250.12
Incidental Expense Fund.....			7.10
			\$ 611.80
Gaging Fund.....			1,162.71
Total.....			\$1,774.51

GAGING FUND

EXPENDITURES

	1925	1926
Office Supplies, Stationery, etc.....	\$ 523.65	\$ 816.61
Postage.....	130.40	108.50
Refund of Fees.....	.....	60.75
Telephone and Telegraph.....	42.75	100.00
Express, Freight.....	5.91	30.00
Field Surveys.....	.....	620.00
Traveling expenses, Hydrographers.....	573.11	1,381.35
Salaries, Gage Readers.....	2,322.65	3,046.15
Gaging Supplies.....	*2,218.21	*3,916.39
Car Supplies, Gas, Oil, etc.....	205.38	285.00
Motor Vehicles.....	1,030.56	1,250.01
Miscellaneous.....	58.50	100.00
Total.....	\$7,111.12	\$11,714.76
Balance turned back to General Fund.....	\$ 31.08	\$ 1,131.63

DISTRIBUTION OF FEES RECEIVED DURING BIENNIAL PERIOD AND CREDITED TO GAGING FUND

Water filings.....	\$12,034.00
Postage.....	4.87
Blue prints.....	1,166.80
Certifications.....	445.00
Examination Reservoir plans.....	1,415.00
Filing transfer decrees and deeds transferring water rights.....	82.00
Office Labor.....	91.50
Sale of automatic water gages and accessories.....	4,749.42
Total for biennium.....	\$19,988.59

*Note: During 1925 under heading Gaging Supplies, \$1,841.26 was spent for automatic water gages and accessories which were sold to Irrigation Companies and the money returned to the fund. During 1926, \$3,074.24 was used for same purpose.

CHAPTER III.

HISTORICAL SKETCH OF IRRIGATION DEVELOPMENT IN COLORADO

By M. C. HINDERLIDER, State Engineer

The history of no section of the Rocky Mountain Region is so replete with the elements of romance, fortitude, ingenuity, human endeavor and rich accomplishment as are the annals of irrigation development in Colorado.

Beginning with the crude efforts of the Aborigines in the southern portion of the state, whose history extends far back into the unrecorded past, the evolution of irrigation in Colorado has passed through numerous well-defined stages of development. With the foregoing exception the history of irrigation in Colorado is briefly as follows:

First, the sporadic attempt by the early pioneers at diverting water through straggling ditches for the irrigation of small fields adjacent to the streams for the production of food stuffs which found a ready market in the early mining camps of the state.

This development was remarkably rapid. Though 1858 marked the first real settlement, by 1860 there were irrigated farms on practically every tributary of the South Platte River growing wheat, corn, oats, native hay and garden products. Small power plants for driving flour mills and for cutting and dressing stone, etc., were in existence as early as 1861.

The Denver City Ditch was built by a voluntary committee of citizens and in 1864 was extended some twenty miles for the purpose of covering a substantial area of upland considered prior to this date to be infertile.

It was about this time that the first attempt was made in establishing claim to a water right through the posting of a notice on the bank of the stream at which point the water was to be diverted, and the filing of such notice in the office of the County Recorder. By 1870 such method of establishing claim to a water right was the almost universal and accepted method of initiating title.

Second. The later developments between 1870 and 1874 through community effort, such as that of the Greeley and Ft. Collins colonies whereby larger ditches were laid out and constructed for diverting and conveying water from the streams to the uplands adjacent thereto, for covering much larger areas of land theretofore generally thought to be infertile. These enterprises involved the conception of ingenious ideas, the application of a strong community spirit and the fortitude to overcome almost insuperable obstacles in the carrying out of the ideas of those hardy pioneers of great vision. The greater portion of our water rights, in volume if not in number, were initiated under this method, and it should be noted that both the first and second

stages of development persist and are now practiced to a very large extent excepting in new districts.

The third phase in the development of the irrigation institutions of the state, demanded a greater concentration of wealth than was available to those pioneers aforementioned. Such aggregations of capital had to be obtained from the outside. As a result, large sums of foreign capital were invested by corporations in enlarging some of the canal systems theretofore constructed, and in the construction of extensive new systems for diverting still larger quantities of water for reclaiming still larger areas of land.

This period of irrigation development occurred between 1874 and 1890. These corporate enterprises were generally based upon a consolidation, to a greater or less extent, of existing works and rights, so that we often find that the older and better water rights of such enterprises are based upon the earlier appropriations by the individual and community.

Due very largely to economic conditions, practically all of these ventures resulted in loss to the investor, with the result that in succeeding years practically all of these corporation constructed and owned canal systems became the property of the individual water user through the formation of mutual companies which today control such systems.

The fourth phase in our development came through the early discovery by the owner of the canal systems, that due to the irregularity of stream flow the available water supplies at certain seasons of the year were entirely inadequate to supply the requirements of the canals, while at other seasons of the year large quantities of water ran to waste down the streams into adjoining states.

To correct this condition it became necessary to construct storage reservoirs for regulating the flow of the streams that the greatest possible use might be made of the entire available water supply. This reservoir development beginning as early as 1880, followed the same course as that of the ditches, first through individual effort on a small scale, thence through corporative effort, and lastly through that of semi-municipal districts.

The financing of these more extensive irrigation enterprises was beyond the ability of the individual, and since experience through corporative effort had been comparatively disastrous to the investor, it became necessary to finance these larger developments mainly through community effort. Hence the passing of legislation providing for irrigation districts of a semi-municipal character, and other similar legislation which would enable a community of landowners to issue certificates of indebtedness in the form of bonds or other obligations for use in financing these larger enterprises. Through such means hundreds of miles of canals and many large storage reservoirs have been constructed throughout the state until at the present time we have more than 1,000 reservoirs with an aggregate capacity of about 3,162,640 acre-feet.

No history of the development of irrigation in Colorado is complete without mention of that remarkable phenomenon characteristic of most old irrigated communities; namely, the seepage and return flow to the streams resulting from the application of large quantities of water to the land. Through such sources it has been possible to use and re-use the waters originally diverted from the streams. Such has vastly increased the stability of the original stream flow, and hence enhanced the value of old water rights, has justified the building of great systems of storage reservoirs theretofore considered impracticable, has made possible the reclamation of vast desert areas of new lands, and has largely revolutionized the original methods needful for the administration of the decrees in earlier days.

Today the seepage and return waters resulting from the irrigation of lands along the main stem of the South Platte River alone aggregate 1,485 second-feet which have an intrinsic value of many millions of dollars.

A further stage in irrigation development was brought about through a demand for the construction of still more extensive systems requiring the outlay of large sums of money beyond the ability of the individual or community to provide. This resulted in an attempt to apply to such need the credit of the state under such provisions as the Carey Act and others of similar intent. Such attempts, however, appeared to be impractical.

The aid of the Federal Government was then enlisted through the enactment of what is known as the Reclamation Act which as first conceived was to provide for the building of supplemental storage reservoirs only, but later was extended to include the construction of main canals and gradually to the building of the distributing system under the main canals and to the management of the entire irrigation system. This Act was passed in 1902. Under the provisions of the same, money accumulated by the Federal Government through the sale of agricultural, mineral, timber and oil lands in the sixteen arid and semi-arid states of the West, was allotted by the Secretary of the Interior for carrying out these larger enterprises. This provision of law has resulted in the construction of many huge dams and irrigation systems by the Federal Reclamation Bureau within the past twenty years. Three such projects for direct irrigation have been built by the Government in Colorado. While of great importance, such developments constitute but a small fraction of the total area of lands reclaimed through individual, corporate and community effort.

At the present time the total area susceptible of irrigation under our canal systems, amounts to 5,491,000 acres, the total amount actually irrigated aggregating 3,603,000 acres. These lands are supplied with water through approximately 28,000 miles of canals which, if placed end to end, would extend around the earth with several thousand miles to spare.

It has been estimated that through further construction of reservoirs, drainage of lands, trans-mountain diversions from one

water-shed to another, the more careful application of water to the soil than is now practiced, and the cultivation of a more carefully selected list of crops, the acreage now under irrigation in this state may be increased by at least fifty per cent.

The water resources of Colorado are unquestionably its greatest asset, and the institutions, businesses and related industries arising through and existing by virtue of the practice of irrigation in this state, may be considered as constituting her greatest source of wealth. Not only is this true, but it is equally true to assert that through the practice of irrigation, Colorado has been transformed from a desert state into a habitation for man, unexcelled by any other part of the nation.

It should be remembered in this connection that since 1860 Colorado has stood first or second among the states of the Union in the amount of land brought under irrigation in each decade, and that this development which has occurred within the life-time of a single individual transcends that of any other state, nation or people since the beginning of history.

Within such brief period of time we have seen passed before our vision a panoramic view, as it were, of the accomplishments which required thousands of years of the history of the Egyptians, Babylonians and Assyrians and of other hundreds of years of effort by the peoples of modern Europe. Such accomplishments must redound to the lasting credit and glory of those hardy seers who had the vision, fortitude, determination and wisdom needful for carving out of this wilderness, one of the greatest states of the Union; and as the passing years go by and we are permitted to more fully visualize and appraise the results of the vision and wisdom with which many of these pioneers were endowed, we can but also admire their sterling qualities which all history shows, are so needful in the building of enduring state craft.

CHAPTER IV.

SEASONAL AND CROP CONDITIONS

The fall of 1924 and spring of 1925 were exceedingly dry, the precipitation having been much below normal. This condition was prevalent throughout the state. The spring runoff in general was inadequate to supply the demands for both storage and direct irrigation. General rains during June, July and August changed a condition which was critical, to a more satisfactory situation, and added very materially to the anticipated crop yield. The shortage of water in 1925 was more noticeable on the Eastern than on the Western Slope of the Rocky Mountains. Conditions were better on the whole in the Rio Grande Valley than elsewhere.

For the season of 1926 the precipitation was above normal through excessive snow deposits in March and April, and general rains in May, June and July prolonged this satisfactory condition. The runoff during the spring months except in the Arkansas Valley, furnished ample water for storage, while stream-flow conditions were more favorable than in the previous year.

Crop conditions and market returns were better on the Eastern Slope in 1926 than on the Western Slope. In the latter territory lack of ample railroad facilities, also distance from markets are factors which contribute to the difficulties of the farmer and stockgrower. Here we find an increasing tendency toward diversity of crop production. In this section of the state more sheep and fewer cattle are being produced than formerly; also more sugar beets, head lettuce and garden seed are grown. In the South Platte Valley more sugar beets, corn and beans are produced, while canning produce is receiving increased attention.

Probably the most important strides in this part of the state have been made in the production of sugar beets, both in tonnage and quality of product. Today, Colorado produces almost as much beet sugar as is produced by all the other states of the West combined. In the Arkansas River Valley there was a noticeable falling off in 1926, in the production of sugar beets, due largely to failure in negotiations between growers and manufacturers. In this valley increased attention is being given to the production of seed crops and melons. For many years this valley has been one of the most extensive sheep and cattle feeding countries of the West. Substantial rains in 1925 and 1926 supplemented the deficient stream-flow which resulted in average crop returns.

In the North Platte drainage more head lettuce and cauliflower are being produced, but as yet the major crop is hay, with the resultant livestock feeding activities.

The San Luis Valley, drained by the Rio Grande, in addition to its standard crops of hay, grain, peas and potatoes, is shipping

head lettuce, cauliflower and garden seed by the ear lot. During the past biennium, excellent potato crops which sold for good prices, very materially added to the general prosperity of that region, which for many years has been one of the most productive in the state.

RELATED RUNOFF IN PERCENTAGE OF THE NORMAL, FOR STREAMS IN COLORADO

Stream	Years Record	% 1925	% 1926
Arkansas River at Canon City.....	39	66 ✓	92 ✓
Bear Creek at Starbuck.....	7	34	147
Big Thompson River near Drake.....	9	57 ✓	144 ✓
Blue River at Dillon.....	16	75	124
Boulder Creek at Orodell.....	20	70 ✓	136 ✓
Cache la Poudre River at Canon.....	43	68 ✓	117 ✓
Clear Creek near Golden.....	18	56	125 ✓
Colorado River at Glenwood Springs.....	27	78	124
Colorado River at Lee's Ferry.....	32	75	93
Conejos River near Mogote.....	23	77	90
Dolores River at Dolores.....	16	94	159
Fraser River at West Portal.....	16	86	116
Gunnison River near Gunnison.....	16	71	73
Hermosa Creek at Hermosa.....	15	57	89
La Plata River at Hesperus.....	7	66	99
Laramie River near Jelm, Wyo.....	18	60	114
North Platte River at Northgate.....	13	78	127
Purgatoire River at Trinidad.....	18	56	116
Rio Grande River near Del Norte.....	37	90	99
Roaring Fork at Glenwood Springs.....	20	81	82
Saguache Creek near Saguache.....	16	75	94
San Miguel at Naturita.....	9	76	103
South Boulder Creek at Eldorado Springs.....	34	47	133
South Platte River at South Platte.....	34	59 ✓	141
St. Vrain Creek at Lyons.....	35	48 ✓	132 ✓
Uncompahgre River below Ouray.....	14	102	86 ✓
White River at Meeker.....	23	98	106
Yampa River at Steamboat Springs.....	20	87	104

CHAPTER V.

RECORDING CLAIMS TO WATER RIGHTS

This being an office of record for claims to water, no little part of the time and attention of the office force is required to file and properly index the claims for ready reference of the public and water officials. Thousands of maps setting forth the individual claims are filed in this office. During the past biennium 459 maps of one or more sheets were filed, consisting of 347 ditch claims aggregating an appropriation of 5626.0 cubic feet per second; 86 reservoir filings claiming a total of 453,864 acre-feet; and 26 filings having claims for both direct and storage purposes of 356.0 cubic feet per second and 27,981 acre-feet. These maps must conform to certain statutory and office regulations so that a detailed inspection of each claim is made before being approved for filing. An extensive system of indices has been prepared under the title, claimant and source of supply.

Under the Act of April 9, 1919, ten lists of claims to water in separate districts have been prepared and forwarded to the District Courts for adjudication purposes.

A large demand is made upon the office for certified copies of official records for use in adjudication proceedings, law suits and special investigations.

Since one of the main functions of this department is the distribution of water in accordance with the court decrees, considerable attention has been paid to indexing and binding the voluminous record of decrees in each water district. Besides providing a ready reference for use of the water officials, the public is constantly and in increasing numbers consulting these records, particularly in reference to titles and future development of our water resources.

Realizing the importance of having a complete record, the State Engineer, at the beginning of this biennium sent an order to each Division Engineer to make a complete check of all decrees in their divisions with the records of the clerks of the District Courts. Later the records of each Division Engineer were compared with those of this office. A large number of decrees were missing from either or both files, owing to the failure of the District Courts to provide the copies required. This defect has been partially corrected by the enactment of a statute requiring a certified copy of each decree to be filed in both offices before it becomes operative.

CHAPTER VI.

ADMINISTRATION, APPEALS AND RULINGS

Seasons of deficient water supplies are always productive of a variety of complaints from water users, and requests for relief in various forms. Such periods are most trying for both the water officials and water user, and under such conditions many perplexing questions must be met and disposed of with expedition. Prompt action by the official is vital to the safety of values extending into millions of dollars.

Confronted with serious damage to, or total loss of his season's labors, the average water user is in no placid frame of mind, particularly if it should appear that incompetence or discrimination on the part of the water commissioner is in evidence. Frequently such dispute arises over a misunderstanding of the laws circumscribing the privileges and rights of a water user, or may be occasioned through the ignorance or unwarranted assumption of authority on the part of the water official. Again, it by no means infrequently occurs that the water user is impelled to believe that his neighbor's plight is less serious than his own, which justifies him, in his own eyes, to help himself to water rightfully belonging to others. Under such periods of stress the old law of the savage, self-preservation, is invoked to justify many acts of plain lawlessness. It is during such times that it behooves the water official to be on the job continuously and to maintain his equilibrium; and fortunate indeed is the official who has so conducted the affairs with which he has been charged, as to command the respect and confidence of the water users he is serving.

Plentiful water supplies eliminate for the time being most of the perplexing problems of administration, and under such conditions the duties of the water official become largely routine.

We are indeed glad to say that by virtue of increased efficiency in present day methods of administration in most localities of the state, in the measurement of and accounting for our water supplies, in the elimination to a large degree of the evils of political perferment which should ever be removed from the operation of this department, through the exercise of a larger measure of tolerance on the part of the water user, and the growing disposition to co-operate in the interests of the general good, great advancement has been made in the administration of our water supplies. It can hardly be expected that the time will ever arrive when all litigation in irrigation matters will have ceased, much less those perplexing questions which have to do with such changeable factors as are involved in the distribution of water.

Through a proper conception of our obligation, coupled with a keener sense of our limitations, by persistence of effort on the part of the water officials, much improvement in the administration of our water decrees may be realized; and through the application of an increasing measure of co-operation on the part of

the water user both with the water officials and among themselves, even greater achievements are possible.

The year 1925 was one of great deficiency in water supply, and as a natural result many complaints and appeals were recorded with the water officials, and extra effort was required to protect the rights of senior appropriators against the unlawful diversions by junior claimants.

Probably the most serious instance of this nature coming before the office arose over the attempt to administer the decrees in South Park on the head-waters of the South Platte River.

The situation was brought to a focus owing to the anticipated scarcity of water and the decision of the City Water Commission to empty Antero Reservoir.

In co-operation with the City of Denver and the Consolidated Ditch Association of Water District No. 2, an hydrographer was stationed at Hartsel to superintend the run from Antero Reservoir to Cheeseman Lake and patrol the streams under the direction of the water officials; in addition, two men were hired to assist the Water Commissioner in enforcement of his orders.

The first four days in May the State Engineer made a trip of inspection over the entire district and arranged a meeting on May 5th at Fairplay, of the Ranchmen's Protective Association, at which a majority of the large water users attended.

As a result of this meeting a resolution was passed, pledging the Association to the compliance with the instructions from the State Engineer's office pertaining to the installation of headgates and the proper administration of the court decrees.

Much difficulty was encountered in administration during the summer, due to illegal diversions which resulted in the prosecution and conviction of one violator.

Early in 1926 registered letters containing orders for the installation of headgates and measuring devices, were mailed to a large number of ditch owners in South Park. Subsequent inspections showed that a large majority of the ditch owners had complied with such orders.

Several other instances of prosecution and conviction for illegal diversions of water and refusal to obey orders of the water officials, occurred in other localities of the state. It is believed that such cases will have a salutary effect upon would-be violators of the law. The illegal diversion of water can no more be tolerated than the theft of any other form of property.

Within the past biennium several appeals from rulings by Division Engineers and Water Commissioners were made to the State Engineer. These consisted of an appeal by the Reorganized Consolidated Catlin Canal Company and others, over the ruling of the Division Engineer with respect to the administration of the decrees owned by the City of Pueblo. After hearing oral argument by counsel representing both parties, the office ruled in favor of the plaintiff.

Following an appeal by John P. Klug, owner of certain pri-

orities on Box Elder Creek, that the Henrylyn Irrigation District be required to turn out of its reservoirs certain flood waters alleged to have been unlawfully impounded, the State Engineer, after a two-days' examination of conditions along that stream, ruled in favor of the plaintiff. Following this ruling the District secured a temporary restraining court order pending final determination of the points at issue. This case is now before the District Court for final disposition.

The office was made nominal defendant in another case between the Handy Ditch Company and the Greeley & Loveland Irrigation Company, which involves the use of a decree for direct irrigation, for filling reservoirs of the plaintiff. This case will come up for preliminary hearing in January, 1927.

Another case in the nature of a mandamus proceeding, was brought by the Board of Water Commissioners of the City of Denver, to compel this office to accept filings of statements of claim to water appropriations by the city. We had heretofore taken the position that the statute relating to payment of filing fees applied to municipalities just as it does to individuals and corporations. Upon preliminary hearing the District Court ruled that this office was not justified in demanding filing fees from a municipality, upon the theory of government which exempts the state or any political subdivision thereof, such as a municipality, from such obligations, where the statute does not specifically grant such right.

Another appeal was filed by the City of Longmont over a ruling by the Division Engineer of Irrigation Division No. 1, relative to the use of water from the St. Vrain River through an exchange between ditches. No ruling on this appeal has as yet been made by this office.

In the case of the Reorganized Catlin Consolidated Canal Company vs. The State Engineer and other water officials, concerning the interpretation of a certain transfer decree, the action of this office was sustained by a recent decision of the Supreme Court.

CHAPTER VII.

WORK FOR OTHER STATE DEPARTMENTS

The law provides that when called upon by the Governor to so do, the State Engineer shall perform services for the heads of other state departments, in line with the duties of his office and without additional compensation.

Within the past biennium this office has made surveys, prepared plans and specifications for, and supervised the construction of two earth dams for the State Game and Fish Department. These dams are located on Lone Pine Creek, a tributary of North Poudre River. The contract for this work was let under competitive bidding, to the Olson Construction Company, and successfully completed in December, 1926, at a cost to the Department of approximately \$70,000.

Tentative plans and specifications have also been prepared for the same Department for the construction of two similar dams near Durango, and also estimates of cost for two small earth dams for the State Industrial School at Golden.

CHAPTER VIII.

RESERVOIRS

Official data in this office relating to the water supplies of the state have been secured from 330 different stations where observations have been maintained over periods ranging from one to forty-two years.

One item of interest disclosed by such records is the following table which shows the amount of water in acre-feet originating within the State of Colorado, and which is discharged into the adjacent states. Such indicates the need for further reservoir development for future conservation of water supply.

A recent canvass of the state in conjunction with a search of the records of reservoir filings in this office, discloses the fact that fully one hundred possibilities for new reservoir construction yet remain. Many of such possibilities will ultimately be developed as the demands for the same justify.

Probably no one factor in the development of our irrigation enterprises has had a more potent effect upon the welfare of the state than has that of reservoir building. Beginning in 1881 with the construction of small ponds for reinforcing the stream flow during the late summer months, the growth in reservoir development in our state has reached enormous proportions, and to date the total capacity of constructed reservoirs in operation far exceeds that of any other western state, if those constructed by the Federal Government be excepted. This reservoir capacity of 3,163,000 acre-feet alone has a conservative value of more than \$150,000.000, while the indirect value attaching to such works is even much greater.

For the more effective conservation of the water supplies which now are permitted to run to waste, we believe that the law should provide for the storing of water in upstream reservoirs regardless of dates of priority; provided, of course, that the State Engineer be given authority to replace in senior reservoirs any deficiency resulting through such administration which might occur prior to the opening of the succeeding irrigation season and provided that the physical conditions along the stream are such as to make exchanges between reservoirs practicable and effective. Needless to state that no law of this nature would be constitutional where the operation of the same by an administrative office resulted in the taking of property without due process of law.

TABLE SHOWING TOTAL QUANTITY OF WATER IN ACRE-FEET ORIGINATING IN COLORADO
AND DISCHARGED INTO ADJACENT STATES

Stream	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Big Creek (a)	600	500	680	2600	10000	16600	5630	1950	1220	1200	800	700	42500
Encampment Cr. (b)	800	670	900	3800	23300	31300	5800	3200	1240	1550	1090	870	74500
North Platte River	9570	8940	18000	47000	94300	119000	46900	19700	12000	14300	12800	10500	413000
Laramie River	5070	2890	4000	6440	32400	58300	16900	5950	3560	3880	3770	3380	144000
Sand Creek (c)	310	290	400	644	3240	5830	1690	530	360	400	380	340	14500
South Platte River	30300	32500	34400	34300	60300	115000	12700	8330	11900	21000	28700	28500	419000
Republican Drainage (d)	1000	1000	4500	18000	13500	6800	6000	9000	1800	1800	1100	1000	65500
Arkansas River	19000	16900	10800	13800	19500	63700	33400	48600	14500	34100	10100	13700	239000
Rio Grande River (e)	27	20400	20600	49300	147000	181000	52800	23200	22600	33100	24800	21800	630000
San Juan River	18	10400	14000	87700	151000	151000	68000	29700	22000	31200	14300	9960	628000
Piedra River	19	6150	6840	71400	104000	85000	36100	18100	11600	19300	8970	6300	338000
Pine River	17	6500	6550	15300	83000	96400	37900	13900	8950	14600	8000	6770	336000
Animas River	27	13100	11200	21000	174000	206000	85400	35700	28700	37600	18400	13700	709000
La Plata River	1	1030	1570	2870	12600	4370	791	715	707	850	825	1130	35800
Mancos River	3	759	1300	7510	20200	6900	3400	5540	2650	597	1020	974	54200
McElmo Creek (f)	1	400	1600	1800	2100	1240	3220	1000	1710	800	600	400	15300
Colorado River	16	158000	144000	223000	430000	1490000	1990000	778000	208000	234000	188000	168000	6320000
Dolores River	5	4260	4900	20900	83100	160000	104000	19600	9360	3000	3520	4070	423000
San Miguel River	8	4780	5680	8710	33500	81100	70200	31800	14200	8340	6680	5790	281000
White River	5	31400	28200	34400	49800	110000	116000	51400	37100	31400	35300	28700	296000
Yampa River	16	18500	19700	45900	162000	441000	378000	28500	21000	28000	23800	20900	1280000
Snake River (g)	5	4300	5180	14000	80000	98000	8400	1800	4400	7600	5340	4300	345000
Vermillion Creek	1	2890	3300	64700	1210	6500	4800	1400	4700	5100	3200	3000	104000
Total	347000	337000	626000	1304000	3347000	3910600	1410000	631000	427000	538000	395000	356000	13610000
Per Cent	2.5	2.5	4.9	9.6	24.5	28.3	10.4	4.7	3.1	3.9	2.9	2.7	100.0

a—Estimated from Big Creek, Wyo., Station. Drainage area Total 123 square miles. In Colorado 72 square miles.

b—Estimated from Encampment, Wyo., Station. Drainage area Total 219 square miles. In Colorado 72 square miles.

c—Estimated.

d—Estimated from station on Smoky Hill River at Ellsworth, Kans.

e—No correction made for Los Pinos and San Antonio Creek in New Mexico as Chama River in Colorado has approximately the same runoff.

f—October to May estimated.

g—Corrected for flow from Wyoming.

CHAPTER IX.

DAMS, PLANS, CONSTRUCTION, INSPECTION AND REPAIRS

The statutes of this state provide that "No reservoir of a capacity of more than 1,000 acre-feet or having a dam or embankment in excess of ten feet in vertical height, or having a surface area at high water line in excess of twenty acres shall hereafter be constructed in this state except that the plans and specifications for the same shall have first been approved by the State Engineer and filed in his office; and the State Engineer shall act as consulting engineer during the construction thereof, and shall have authority to require the material used and the work of construction to be done to his satisfaction; and no work shall be deemed complete under the provisions of this act until the State Engineer shall furnish to the owners of such structures a written statement of the work of construction and the full completion thereof, together with his acceptance of the same, which statement shall specify the dimensions of such dam and capacity of such reservoir or reservoirs."

"The owner or owners of such reservoirs shall pay to said State Engineer his actual expenses incurred in making personal inspection, and shall pay to any deputy appointed by him to attend to such supervision not to exceed ten dollars per day and actual expenses for each and every day necessarily employed for such purposes."

The work and responsibility placed upon this office by virtue of this requirement of law are of no small magnitude. Every plan and set of specifications submitted must be examined critically to see that such structures when built, do not constitute a menace to life and property below the same, and unfortunately the majority of such plans and specifications submitted for approval, are so incomplete or faulty as to make it necessary to very largely redraft the same in this office in order that the same shall conform to recognized standards of good engineering practice, dictated by the hazards involved.

The last legislature increased the per diem pay which may be received by a representative of this office for inspection of dam construction, from \$5.00 to \$10.00. This enables the office to secure the services of those more competent to inspect such work.

During the past biennium, construction work on the large Rock Canyon Barrier of the Pueblo Conservancy District, was completed, with the exception of the pavement on the upstream face of the earth section of the dam. Much of the stone for such purpose has been delivered on the dam, but not as yet placed.

The building of the river section of this dam involved deep excavations and coffer damming against heavy heads of water. Fortunately, river flow conditions were very favorable throughout the time required for such work.

The total cost of this dam when finally completed, will be approximately \$400,000.

During the same period the City of Golden started and completed an earth dam on Beaver Brook for supplementing the City's present water supply. This dam is about 52 feet in height and cost about \$57,000.

The State Game and Fish Department built two earth dams on Lone Pine Creek, a tributary of the Poudre River, under the supervision of this office, which, together with appurtenant works, cost about \$70,000. This work was completed in good shape about December 1, 1926.

Prominent among the dams of the state is that undertaken by the City of Longmont for increasing its water supply for power and domestic purposes. This structure is being built on the North Fork of the St. Vrain about seven miles west of Lyons and about one mile above the present intake of the city's pipeline. This dam, of an ultimate height of about 110 feet, will be of the thin arch, constant radius type with spillway equipped with collapsible steel flashboards. The control will consist of five hydraulic type oil operated sluice-gates. The construction of this dam will involve the placing of approximately 20,000 cubic yards of concrete, about 10% of which has been placed. The original estimate of cost was approximately \$207,000.

The City of Colorado Springs has started work on a large loose rock fill dam located on South Ruxton Creek on the northeastern slope of Pikes Peak, this dam being for the purpose of increasing the city's water supply for power and domestic uses.

This structure will be about 100 feet in height and the outlets will also be controlled by an hydraulic type oil-operated sluice valve.

One unique feature in connection with the building of this dam is that of the thin reinforced cement diaphragm covering the upstream face for rendering the dam impervious. This diaphragm will be from 2 to 4 inches in thickness and will be placed by means of a cement gun.

The City of Denver, just prior to the close of 1926, began construction work on a concrete dam at Evergreen for the principal purpose of beautifying the city's mountain parks in that vicinity and for furnishing recreational advantages to our citizens and visitors.

This dam will have a straight gravity section of a maximum height of about 34 feet above bed-rock, and will involve the placing of about 2,000 cubic yards of concrete. The estimated cost is about \$150,000.

The Del Norte Irrigation District continued work during the season of 1926, on the large earth structure known as the Continental Reservoir Dam. Completion of this dam within the past year was anticipated, but due to the short working season and other difficulties, this anticipation was not realized. At the pres-

ent time the dam has been constructed to an average elevation of 56 feet above the outlet conduit, leaving 36 feet yet to complete. Such will involve the placing of about 32,000 cubic yards of material which it is expected will be readily accomplished in 1927.

The City of Trinidad had heretofore started work on the foundation of Monument Lake Dam. This work temporarily delayed, has been resumed and it is expected that the outlet works will be constructed as soon as suitable weather conditions prevail. This dam will consist of an earth embankment 23 feet in maximum height and 850 feet in length, with puddle core extending down into bedrock the full length of the dam.

A large number of dams of lesser magnitude were also built during the biennium.

The law also requires this office to make inspection of all dams in the state, from time to time, and empowers the State Engineer to require of the owners that such structures be maintained in a proper state of repair. Since the great majority of these dams are built of earth and hence subject to deterioration, it is only by the exercise of constant vigilance through inspection, regulation of storage and making of needful repairs, that many catastrophies are averted. Fortunately no material losses from **such have occurred throughout the state during the past biennium.**

Unusual activity in the way of providing repairs to dams throughout the state was in evidence. Chief among these may be mentioned repairs to Antero and Marston Lake Dams forming a part of the Denver system of water supply; Standley, Barr, Milton, Horse Creek, Prospect, Empire, Chambers, Cobb, Bergen, Sugar Loaf, Clear Creek, Meredith, Two Buttes, North Lake, Red Mesa, Anderson, Goodenough, Narriquennip, Electra Lake and many other dams of lesser magnitude.

At Lake Cheesman, forming Denver's principal source of water supply, extensive improvements were made; these consisting of the installation of a 62-inch balanced needle valve at a point 60 feet below the spillway, together with emergency valve, tunnel system, control houses, etc. The cost of this improvement amounted to about \$100,000. Such installation was most needful and cures a dangerous condition which has faced Denver's citizens and water users on the river for years. Other repairs to the old valve system are also contemplated.

CHAPTER X.

STATE AND INTERSTATE CONFERENCES

Within the past biennium the State Engineer has attended a number of conferences both within and without the state, having to do with problems of land reclamation and colonization, water conservation and interstate stream control, power development, dam construction, etc., in all of which this office is deeply interested. We believe much good is achieved through such conferences as a means for exchange of ideas, analysis of mutual problems and the formulation of constructive legislation.

Chief among the conferences or hearings attended may be mentioned that before the Federal Power Commission at Washington, D. C., in October, 1925, which was for the purpose of considering matters relating to the Colorado River.

The State Engineer took part in the summer meetings of the American Society of Civil Engineers at Salt Lake City in 1925, and at Seattle in 1926. At both meetings the subjects of irrigation, water conservation and power development occupied a dominant place on the program.

In November the Deputy State Engineer represented the Colorado State Board of Examiners for Engineers and Land Surveyors, at the annual meeting of the representatives of the various state boards, at Philadelphia. Further reference to this important conference will be found elsewhere in this report.

This office was also represented at the recent meeting of the Western Branch of the U. S. Chamber of Commerce held at Colorado Springs, December 6, 7 and 8, at which time the problem of interstate control of the Colorado River came up for extended discussion.

Not the least of the important functions of this office is the matter of maintaining close contact with the water users throughout the state. Probably no better agency than the various ditch associations, could be devised for such purpose. The present State Engineer has endeavored to attend as many of these meetings as was possible, and through such associations has received valuable suggestions and the most cordial support. In fact it is not too much to state that whatever small degree of success which may have attended our efforts toward securing a better understanding between water users and water officials and in securing more efficient administration of the duties of this office, has largely been the result of our conferences with representative bodies of the water users. We firmly believe that all present organizations of this nature should be kept alive and aggressive, and that similar bodies should be formed in localities where none now exist. It is through co-ordinated effort of such organizations that most effective results looking to the improvement of our water service, may be secured.

Numerous meetings in Denver and throughout the state with various canal and reservoir companies, have resulted in much good. Such conferences have convinced this office that few difficulties are insurmountable if the divergent views of all interests effected can be brought into a joint meeting where each can get the viewpoint of the other, and both parties may have an opportunity to reason together.

Important among such meetings was that resulting from a call by the State Engineer in the fall of 1925, for a meeting in Denver of the representatives of all reservoir companies along the main stream of the South Platte River. This meeting was attended by about fifty water users and included the Mayor, Board of Water Commissioners, City Attorney and other officials of the City of Denver, all deeply interested in a more efficient conservation of our water supplies.

At this meeting we presented the results of some studies of water supply and distribution along the South Platte River which seemed to justify the adoption of a modified plan to be followed in filling the reservoirs along this stream.

Very largely as the result of the aforementioned discussion, arrangements were entered into in the fall of 1926 with the Jackson Lake Reservoir & Canal Company, whereby that company agrees to limit its demand for water to the quantity of seepage and return flow at its headgate, until March 1, 1927, with the understanding that the State Engineer be empowered to turn out of Standley Lake sufficient water to complete the filling of Jackson Lake in the event this became necessary. By such arrangement several thousand acre-feet of water will be held upstream and hence used more efficiently.

Important meetings were held with members of the Consolidated Ditch Association in Water District No. 2 and also with the Arkansas Valley Ditch Associations on numerous occasions.

CHAPTER XI.

INTERSTATE RIVER COMPACTS, HISTORICAL

By R. I. Meeker, Special Deputy State Engineer.

During the five-year period of 1922 to 1926 inclusive, three interstate river compacts have been concluded affecting the water supply of Colorado rivers, viz.,

Colorado River, November 24, 1922,
La Plata River, November 27, 1922,
South Platte River, April 27, 1923.

Unfinished compact negotiations are underway concerning the following rivers:

Arkansas River,
North Platte River,
Rio Grande.

An early agreement is anticipated on the North Platte River. Renewed negotiations on the Rio Grande are hoped for. A satisfactory agreement has as yet not been formulated on the Arkansas River, although the problem is still under discussion. The Rio Grande and Arkansas River interstate problems are Colorado's oldest interstate controversies, and are difficult of settlement because of the human element involved.

Two water compacts concerning Colorado Rivers are in operation. The La Plata River Compact has been in operation for two years, and the South Platte River Compact for one irrigation season. Special comment will be found in a separate chapter of this report. Detailed information concerning the Colorado, La Plata and South Platte Compacts will be found in previous reports of this department. Interstate river relations of the State of Colorado for the past biennium are briefly chronicled as follows:

Engineering investigations of interstate water problems during 1925 and 1926 were conducted under the direction of R. I. Meeker. Active co-operation was received from the Hydrographic Department of the State Engineer's office on establishment and maintenance of river stations, essential to studies of water supply.

ARKANSAS RIVER

On the Arkansas River a proposal for a compact has been drafted whereby the building of a reservoir on the Purgatoire River will affect settlement of the interstate problem on the main stream between Kansas and Colorado. The proposal is still under discussion. It is believed that an agreement along the lines of the proposal will ultimately be concluded. Engineering studies of the

past biennium have been confined to analysis of water supply and reservoir operation of the proposed reservoir on the Purgatoire River.

COLORADO RIVER

As previously noted, conditions on the Lower Colorado River for a tri-state adjustment by Arizona, California and Nevada are more encouraging than at any time during the controversy which has raged for four years over Colorado River waters. The three states appear to be in a receptive mood. A special session of the Arizona Legislature has been called to meet early in January for consideration of Colorado River problems.

At the end of this chapter will be found records of flow of the Colorado River at Lee's Ferry, Arizona, from 1921 to 1926 inclusive, as furnished through the courtesy of W. E. Dickinson, Engineer, U. S. Geological Survey, Tucson, Arizona, also records of the Paria for the period of 1924 to 1926 inclusive. Check measurements on the Colorado River at Lee's Ferry in both 1925 and 1926 were made by Chief Hydrographer Baily of the State Engineer's office. Accompanying this report yearly estimates of measured and computed flow at Lee's Ferry on the Colorado River will be found. Prior to 1922 the estimates of yearly flow are computed from records at stations above Lee's Ferry on the principal tributaries of the Colorado River. These computed records were compiled by E. C. LaRue, Engineer, U. S. Geological Survey, and will be found in Water Supply Paper 556, "Water Power and Flood Control of Colorado River below Green River, Utah," p. 108.

NORTH PLATTE RIVER

Active negotiations are now in progress by commissioners of Colorado, Nebraska and Wyoming, and a representative of the United States, and the consummation of an agreement is looked for at an early date, probably in time for submission for legislative approval during the present session. In the North Platte River basin water utilization is much further advanced than in the Colorado River basin. In the North Platte basin a large storage reservoir is constructed in one state, serving lands in two states with the largest irrigated area in the lower state. For the above reasons the framing of an interstate river compact is a matter of much labor.

Engineering work for the biennium has been largely confined to preparation of maps and graphs and analytical studies of water supply and water requirements of irrigated and irrigable lands in all parts of the North Platte basin.

RIO GRANDE

During the past biennium an event of major importance in the irrigation history of the Rio Grande basin has occurred. On May 20, 1925, Secretary Work, of the Interior Department, de-

clared illegal and cancelled a Water Embargo laid upon the Rio Grande basin in 1896. The following item, which is self-explanatory, is quoted from the Engineering News-Record of June 24, 1925:

"LIFTS STORAGE EMBARGO ON THE RIO GRANDE

"Effective May 20 Secretary Work of the Interior Department lifted an embargo, established in 1896, preventing the granting of rights for the use of public lands along the Rio Grande in New Mexico and Colorado for water storage or diversion. Investigations into the legal phases of the original embargo have been underway for more than a year and have resulted in the opinion that the Secretary has no power to promulgate or maintain such an embargo.

"The original purpose of the embargo was to prevent the building of dams, canals and other irrigation works on government lands along the river, pending settlement of water rights with Mexico and construction of the Rio Grande reclamation project. After the conclusion of a treaty with Mexico and the completion of this project, the embargo was permitted to continue, notwithstanding it was in conflict with a law of Congress passed in 1891. The treaty with Mexico has been concluded and Mexican rights defined and protected by the construction of the Elephant Butte dam, in which forty times Mexico's share of 60,000 acre-feet annually is stored.

"Further, the Secretary states in a memorandum accompanying the order that any rights granted to the use of public lands for storage and diversion are not grants of water but simply right-of-way grants. The grants of water rights or appropriation rights is entirely an affair of the state which creates, grants or establishes such rights. Appropriators must look to the states for adjudication of their priorities. The matter of the embargo or refusal to approve applications for rights-of-way for reservoirs and canals on the Rio Grande was recently brought to issue by the application for the Vega Sylvestre reservoir, a proposed irrigation project in Colorado."

Interstate negotiations concerning the waters of the Rio Grande were initiated at Colorado Springs in October, 1924, by the two states of Colorado and New Mexico, and Herbert Hoover as representative of the United States, who was elected chairman of the commission. Representatives of Texas attended the meeting and requested that action be deferred on the interstate adjustment until the Texas Legislature had authorized participation by that state, and it was thought advisable to accede to the re-

quest. Little progress was made on this river controversy during 1925 and 1926. The granting of the Vega Sylvestre Reservoir application (capacity 238,000 acre-feet) by the Department of the Interior, and the cancellation of the Rio Grande embargo engendered a large amount of resentment in New Mexico and Texas, where an erroneous belief prevails that any future development in Colorado will prejudice water rights in the lower states and greatly reduce the water supply available for the Middle and Lower Rio Grande Valleys. Interstate litigation has been threatened by lower states for over a year; however, as recently as December 8, 1926, a court decision enjoined the expenditure of moneys from a New Mexico trust fund for the purposes of interstate litigation. It is hoped that negotiations for a compact on the Rio Grande will be resumed at an early date.

Engineering field and office studies by Colorado engineers have been made of water uses in lower New Mexico and Texas in order that the Colorado Commissioner may be fully advised of the water requirements and needs of other portions of the Rio Grande basin.

SOUTH PLATTE RIVER

Congressional ratification of the South Platte River Compact and the affixing of the President's signature on March 9, 1926, closes another chapter in the efforts of the State of Colorado to avoid interstate water litigation.

The South Platte River drains one-fourth of Colorado and a small area in western Nebraska, and is the water supply for 1,500,000 acres of land.

To Nebraska this River Compact makes possible the development of extensive areas of fertile lands in Perkins County and in the Platte Valley proper, through the assurance of ever-increasing water supplies from land and reservoir storage in Colorado, and affords protection to existing Nebraska projects through an equitable allotment of water for their requirements.

To Colorado the river compact means a release from adverse claims against the water supplies of practically all reservoirs deriving their water from the South Platte River and tributaries, including Lake Cheesman, Antero, Marston, Barr, Milton and other reservoirs near Denver.

The title to every water right on the South Platte River and tributaries initiated since 1880 is cleared of the possibility of interstate dispute.

Through the consummation of this interstate agreement the future success of new irrigation and municipal water developments is greatly enhanced, and projects formerly considered of doubtful feasibility are immeasurably benefited thereby. Likewise the foundation is laid for ultimate utilization of the waters of the South Platte River system in a progressive manner from the headwaters down, through the stabilized and equated flows along the lower river and into Nebraska.

This measure also means to both states a triumph of interstate diplomacy over interstate warfare (litigation). It also eliminates the possibility of ultimate subjugation to perpetual federal supervision of one of our interstate streams, and will prevent many potential water suits between interstate users.

Permanent comity and co-operation are secured between the signatory states with resultant peace and security to farm and city residents through the peaceful possession and use of waters imperative to their existence.

To the mind of the writer the successful consummation of this interstate controversy constitutes a mile-stone in the evolution of interstate relations through the application of a principle ridiculed in 1914, tolerated in 1916, conditionally accepted in 1920, successfully applied in 1922, and nationally approved in 1926.

And let it be noted that not the least of the advantages from the application of the principle involved in this settlement is the preservation of state autonomy as opposed to Federal bureaucracy.

YEARLY FLOW OF COLORADO RIVER AT LEE'S FERRY, ARIZONA

Calendar Year	Acre-ft.
1895	13,200,000
96	12,800,000
97	17,700,000
98	12,400,000
99	20,300,000
1900	12,700,000
01	13,500,000
02	8,850,000
03	12,800,000
04	12,100,000
1905	13,600,000
06	17,400,000
07	21,100,000
08	11,100,000
09	21,200,000
1910	12,500,000
11	14,700,000
12	17,100,000
13	12,700,000
14	18,900,000
1915	11,700,000
16	17,900,000
17	20,500,000
18	14,100,000
19	10,500,000
1920	19,200,000
21	20,100,000*
22	16,200,000
23	16,800,000
24	11,700,000
1925	12,365,000
26	13,000,000**

*Partly computed; partly recorded.

**September, October and November estimated.

Prior to 1921 the yearly values are computed from records of flow at gaging stations on the principal tributaries of the Colorado above Lee's Ferry, see Water Supply Paper 556, p. 108.

Commencing in June, 1921, the values are recorded flow at Lee's Ferry as secured by the U. S. Geological Survey.

CHAPTER XII

INTERSTATE RIVER COMPACTS—ADMINISTRATION OF

The La Plata River Compact, ratified by the states of Colorado and New Mexico and the Federal Congress, was put in force in the spring of 1925, and though this season was a most unfavorable one as regards water supply, the results obtained were reasonably satisfactory considering the adverse conditions which prevailed.

Meetings of the State Engineers of the two states, Colorado and New Mexico, were held at Durango and La Plata early in 1925, at which other water officials of the two states were present.

A system of rotation was agreed upon by the two State Engineers, and put into operation, and while not entirely satisfactory to the water users of either state, we feel that the best possible use was made of the inadequate supply of water available.

In an attempt to benefit from the experience of the preceding year and with the view of previously ironing out all reasonable causes for complaint and preparing for emergencies which were certain to arise in the administration of the Compact, the State Engineers of the two states again met with assistant water officials, at Hesperus and La Plata and formulated and promulgated the rules under which the Compact would be administered during the season of 1926.

Due to conflicting interests and other difficulties both personal and physical, we regret to have to say that the result of the administration of the Compact during the season of 1926 was not satisfactory, either to this office or to the water users. We are of the opinion that the successful administration of the Compact requires that the same be placed in the hands of a Special Deputy State Engineer who will be unaffected by local sentiment or prejudice occasioned through happenings of the past. To this end we are asking the present Legislature to authorize such appointment and in addition an appropriation of \$5,000 for providing a proper gaging station at Hesperus, and for eliminating the relatively large losses in transit in the La Plata river at low stages of flow.

The South Platte River Compact concluded between the states of Colorado and Nebraska for the division of the waters of that stream, was ratified and put into effect in the spring of 1926.

At the beginning of the season of 1926, methods of administration including provision for stream and ditch measurements, daily reports, etc., as provided by the terms of the Compact, were agreed upon by this office and the authorized official of the State of Nebraska. The result of this joint administration was most satisfactory.

For the year 1927 certain minor but needful improvements are contemplated. These have been virtually agreed upon between this office and the proper official of the State of Nebraska.

CHAPTER XIII

IRRIGATION DISTRICTS

Since the enactment of the Irrigation District Law of 1921, four irrigation districts have been organized under the provisions of this Act. These are the Trinchera, Maybell, Del Norte and Agate Districts. Mention of the three former is noted in the biennial report of the State Engineer for 1923-1924.

The Trinchera Irrigation District, located in the San Luis Valley, having failed to dispose of its refunding bonds issued in the sum of \$750,000, has been unable to proceed with the plans of rehabilitation and expansion contemplated by the landowners. A total of about 56,875 acres are affected by the former bond issue of \$650,000. Of the latter, about \$606,000 are outstanding.

There were approximately 10,000 acres irrigated in 1925 and 1926, as reported by the Superintendent. At the present time there is no concerted effort being made to colonize more of the lands in the District.

No material changes have occurred in the Maybell Irrigation District in Northwestern Colorado, thirty-five miles west of Craig, since our last biennial report. This little district has been quite successful.

The Del Norte Irrigation District also located in the San Luis Valley, embraces some 10,000 acres of irrigable land, 1,500 acres of which have been prepared for crops. The bond issue of \$350,000 has been disposed of, and the proceeds applied to the building of a main diversion and distributing canal heading on the Rio Grande above Del Norte, and the construction of a large earth dam located on Clear Creek at a point some thirty miles above the town of Creede. In addition to the outstanding bond issue, there are outstanding warrants to the amount of \$57,000. It is estimated that about \$47,000 additional will be required to complete the dam.

Due to construction difficulties encountered and to the short working season at that altitude, the dam was not completed at the close of 1926, as had been contemplated.

The work has been carried on in good shape and it is now expected that the storage reservoir will be finished in 1927. With the completion of this reservoir, landowners will be provided with a storage capacity of about 32,000 acre-feet, which in connection with the river flow rights, will provide more than an ample water supply for all the lands in the district. This is a worthy development and reflects great credit upon those who have worked so faithfully for the ultimate success of the same.

The Agate Irrigation District located on the East Branch of Bijou Creek fifty miles east of Denver, was organized in 1924 for the purpose of financing the purchase and rehabilitation of an old irrigation system and the lands thereunder.

The project at present embraces 3,154 acres, practically all of

which has been farmed and are more or less improved. The approved plans provide for an ultimate area of 4,000 acres of irrigable land.

Of a total approved issue of \$160,000 of bonds, the district now has outstanding bonds to the amount of \$63,500, and warrants to the amount of \$1,500. A portion of these funds was used in the rebuilding of the super-structure at the head of the diversion canal on East Bijou Creek, in raising the height of the storage reservoir dam and outlet gate, and in enlarging the main inlet canal from the Creek to the Reservoir.

Certain repairs have also been made to the distributing system which is reported as capable of serving almost the entire area of 2,850 acres now under ditch.

Ample water supplies were stored in the District's reservoir in 1926, but due to copious rainfall, such stored waters were not needful in the production of bountiful crops.

Due to the general depression effecting practically all agricultural pursuits, it is virtually impossible to interest capital in the financing of new irrigation development, and most difficult to finance the requirements of many old and established projects.

We see no material relief in this respect until that inexorable economic law of supply and demand has had time in which to perform certain painful adjustments. That day doubtless may be hastened through the solving of our transportation problems, and in a change of our present day tendencies to demand luxuries beyond the means of any other nation, and a change in the present attitude of the protected interests toward the farmer.

CHAPTER XIV

TRANS-MOUNTAIN DIVERSIONS

With the view of increasing the present water supply for the Arkansas River Valley, the Irrigation Committee of the Chamber of Commerce of Southeastern Colorado, decided to look into the feasibility of trans-mountain diversions from the Western Slope to the head-waters of the Arkansas River. To this end the State Engineer was invited to co-operate, and at a meeting in Pueblo arrangements were made for raising the funds needful for defraying the expenses of such investigation, which was placed in charge of the State Engineer. This office contributed about \$1,000 toward such expenditures.

Two field parties were organized in July, 1926, and placed in charge of C. H. W. Smith and Guy S. Newkirk, who worked under the general supervision of R. I. Meeker, Special Deputy State Engineer..

From a study of available maps, in conjunction with Mr. Meeker's knowledge acquired from previous reconnoissances, the two major and most feasible possibilities were undertaken; one contemplating diversion from the upper basin of Taylor River, Texas and Illinois Creeks through a tunnel under the Continental Divide into Clear Creek, a tributary of the Arkansas River; the other contemplating a diversion from the head-waters of Eagle River and tributaries, through a tunnel under Tennessee Pass and thence into the headwaters of the Arkansas River.

Maps of such surveys, together with estimates of approximate quantity of water possible of diversion and the cost of such undertaking, are now in preparation and will be embodied in a complete report which it is hoped will be available in March, 1927.

CHAPTER XV

HYDROGRAPHIC DEPARTMENT

A necessary adjunct to the administrative branch of this office is that of the hydrographic department, since the administration of the court decrees would be practically impossible in the absence of ditch and stream-flow determinations.

In addition to making thousands of such determinations each year for the use of the water officials, the hydrographers are kept busy collecting original data on water supply, seepage return, winter flow, making installation of automatic recording and measuring devices on canals and streams, compiling such data for publication in these reports, and in miscellaneous duties of a kindred nature in connection with interstate river investigations needful for the defense of pending and other prospective suits.

Due to an ever-increasing demand from the public and the need for supplying information to the six division engineers and some sixty water commissioners, it has been necessary to employ two traveling hydrographers in each of the South Platte and Arkansas River Basins, one in the Rio Grande Valley and one in Southwestern Colorado. The larger part of the hydrographic work on the Colorado, Gunnison, Bear and White Rivers, was done by the division engineers with some assistance from the Denver office.

The following new stations for the determination of stream flow were established in the past biennium:

- McElmo Creek near Cortez.
- Pine River near Bayfield.
- San Antonio River near Ortiz.
- Los Pinos Creek near Ortiz.
- Tarryall Creek near mouth.
- South Platte River at Waterton.
- South Platte River at Henderson.
- South Platte River at Sublette.
- Big Grizzly Creek near Walden.
- North Fork St. Vrain at Longmont Dam.
- North Fork St. Vrain near Allens Park.
- Middle Fork St. Vrain near Allens Park.
- South Fork St. Vrain near Ward.

The last three stations were established by private interests through the Geological Survey. The state co-operates on the two stations near Allens Park to the extent of making the measurements.

If the office has sufficient funds this next season, it is proposed to establish stations at the following points:

- Bear Creek at mouth
- Clear Creek at mouth

Boulder Creek at mouth
Left Hand Creek at mouth
St. Vrain Creek at mouth
Big Thompson at mouth.

Prior to 1917 there was no provision of law requiring the use of automatic recording devices on canals or reservoirs. In 1917 a law was enacted which provided that this office could require the use of automatic recording instruments on all canals affected by any interstate stream investigation. In 1925 this office succeeded in securing the enactment of a law which requires any ditch or canal in the state to install automatic recording devices when required to do so by the State Engineer. While some opposition to this requirement has been voiced, yet all such requests, with few exceptions, have been met by ditch owners. We firmly believe that such a law is fully justified by the following principal benefits accruing to the public and to the water user:

More efficient administration of the decrees.

Elimination of many of the causes for controversies between water users, and also between water users and water officials.

Permanent hourly record of the diversion of water by a ditch, which cannot be successfully disputed, and which may be used as evidence in court proceedings.

More accurate records of water usage.

Means for a more accurate policing of a stream during reservoir runs of water therein.

Protection of water users in cases of contemplated transfer suits.

Protection of water users on a stream where foreign water supplies are involved.

As our water supplies become more valuable the careful and accurate measurement and accounting for the same becomes increasingly important. Careful and conscientious distribution of the same under the court decrees is of first importance to the water users, but before this is possible, accurate data pertaining to the quantities of water at all times available for serving the decrees, must be had. Hence the constant need for hydrometric data.

In this connection it is most needful to have installed in every ditch and canal, proper headgates for controlling the diversions of water, and suitable measuring devices for measuring into such ditch or canal the correct quantity of water to which the same may be entitled. Such measuring device contemplates the use of a suitable gage rod, or better still, an automatic recording instrument in connection with a flume, weir or orifice.

At the beginning of the years 1924, 1925 and 1926, instructions were mailed to all water officials and ditch owners to place all headgates and measuring devices in proper condition. Such

instructions were usually accompanied with suitable drawings, including bills of material for such structures.

After special effort from this office, action was secured in these areas where the ditch owners had grown to regard the use of headgates an unnecessary requirement. No difficulties in this regard were encountered in the lower valley section of the state.

Practically every ditch and canal and all river stations in the South Platte and Arkansas River Valleys are equipped with automatic recording instruments, and the usage of the same is being gradually extended throughout the state.

Aside from the need for purely administrative purposes, such permanent records of stream-flow, ditch diversions, storage and consumptive use, return flow, etc., are of tremendous value and become increasingly so with the passing of time.

Congress is now being urged to appropriate huge sums of money for the purpose of making more complete surveys of our state and national water resources, to the end that the same may be utilized to the greatest good through a highly co-ordinated scheme of development.

At the present time there are being maintained in this state, 138 stations for the determination of stream flow. Of this number, 102 are maintained under the direct supervision of this office; 16 in co-operation with the U. S. Geological Survey, and 15 with corporate interests and adjacent states.

During the biennium 2,176 current meter measurements were made at river stations on which are placed automatic recording instruments. During the same period 640 current meter measurements were made to determine seepage and return flow. For administrative purposes 2,046 measurements were made of ditches and canals, on which were maintained 149 automatic recording instruments, 95 of these registers having been installed under the law of 1925.

A great mass of the data resulting from these investigations is published only in the biennial reports of the State Engineer of Colorado. Complete tabular statements of the work of the hydrographic department for the biennium will be found in the attached report of the Chief Hydrographer of this office.

STATE OF COLORADO

ENGINEERING DEPARTMENT

Denver, Colo.

ORDER FOR HEADGATE

Your attention is herein called to the provisions of Section 1727 of the Compiled Laws of 1921, relating to the installation and maintenance of suitable headgates at the head of all ditches:

“The owner or owners of any irrigation ditch, canal, flume or reservoir in this state, taking water from any stream, shall erect and maintain in good repair, at the point of intake of such ditch, canal, flume or reservoir,

suitable and proper headgate or headgates of height and strength and with embankments sufficient to control the water at all ordinary stages and suitable and proper measuring flume, weirs and devices, and shall also erect and maintain in good repair suitable wastegates in connection with such ditch, canal, flume, or reservoir intake. The frame work of such headgate shall be constructed of timber not less than four inches square, and the bottom, sides and gate or gates shall be of plank not less than two inches in thickness, or said gate may be made of other material of equal strength and durability, or may be made and constructed upon plans and specifications approved by the State Engineer. No such headgate shall be deemed complete until provided with suitable lock or locks and fastenings therefor and keys thereof delivered to the Water Commissioner of the district who shall have control thereof during the seasons of the distribution of water. If the owner or owners of any such irrigation ditch, canal, flume or reservoir, shall fail or neglect to erect or maintain in good repair, said headgate, measuring flume, weir or devices, in the manner and form herein provided, then, the state engineer, division engineer, or water commissioner, upon ten days' previous notice in writing, duly served upon such owner or owners, or upon any agent or employee representing it or them or controlling such ditch, canal, flume or reservoir, shall refuse to deliver any water from such stream to such owner or owners, or to such ditch, canal, flume or reservoir, until such owner or owners shall cause to be erected or repaired the headgate, measuring flume, weirs, or devices of such ditch, canal, flume or reservoir. The owner or owners of all such ditches, canals, flumes, or reservoirs shall be liable for all damages resulting from their neglect or refusal to comply with provisions of this act, and any such owner or owners who shall divert water from any such stream and into any such ditch, canal, flume or reservoir contrary to the orders of the state engineer, division engineer, or water commissioner, as herein provided, shall be deemed guilty of a misdemeanor and, upon conviction thereof, shall be fined not to exceed five hundred dollars, and each day of violation shall be deemed a separate offense."

You are herein directed to provide at the point of intake of the Ditch, a suitable headgate as contemplated by law by either repairing the present headgate of this ditch in proper manner or by installing a new headgate, all in such manner as is indicated by the accompanying drawing; and you are herein notified that the Water Commissioner of Water District No. has been directed to refuse to turn water to this ditch until this order has been complied with.

STATE OF COLORADO
ENGINEERING DEPARTMENT

DESIGN FOR TIMBER HEADGATE
FOR SMALL AND MEDIUM SIZE DITCHES

FOR BILLS OF MATERIAL AND OTHER
DETAILS SEE OTHER SIDE OF SHEET.

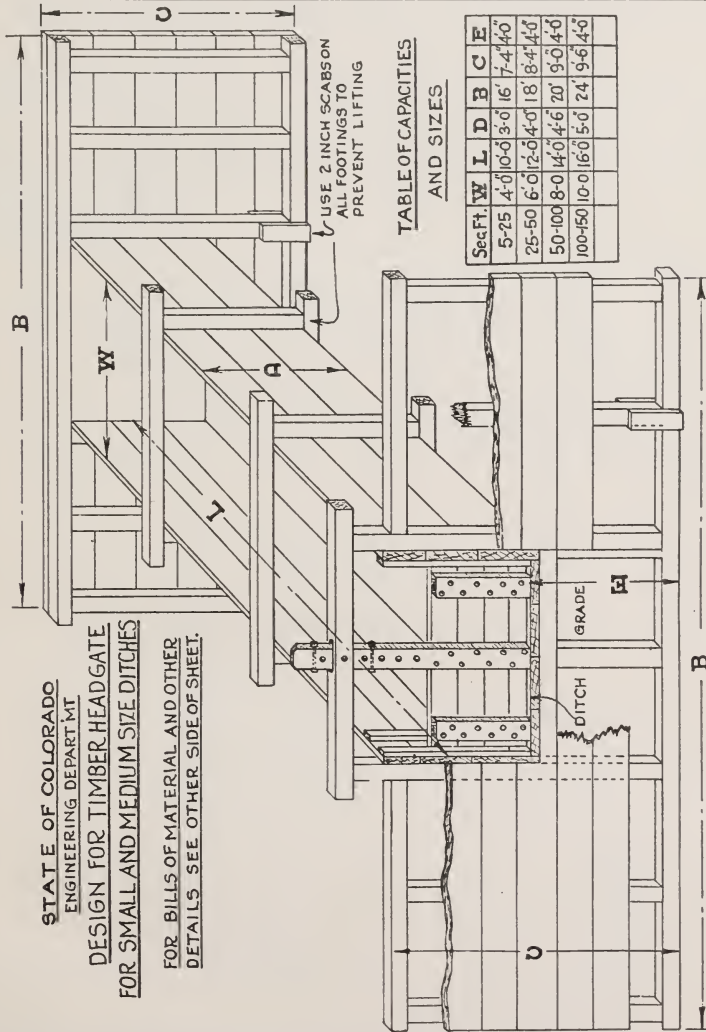
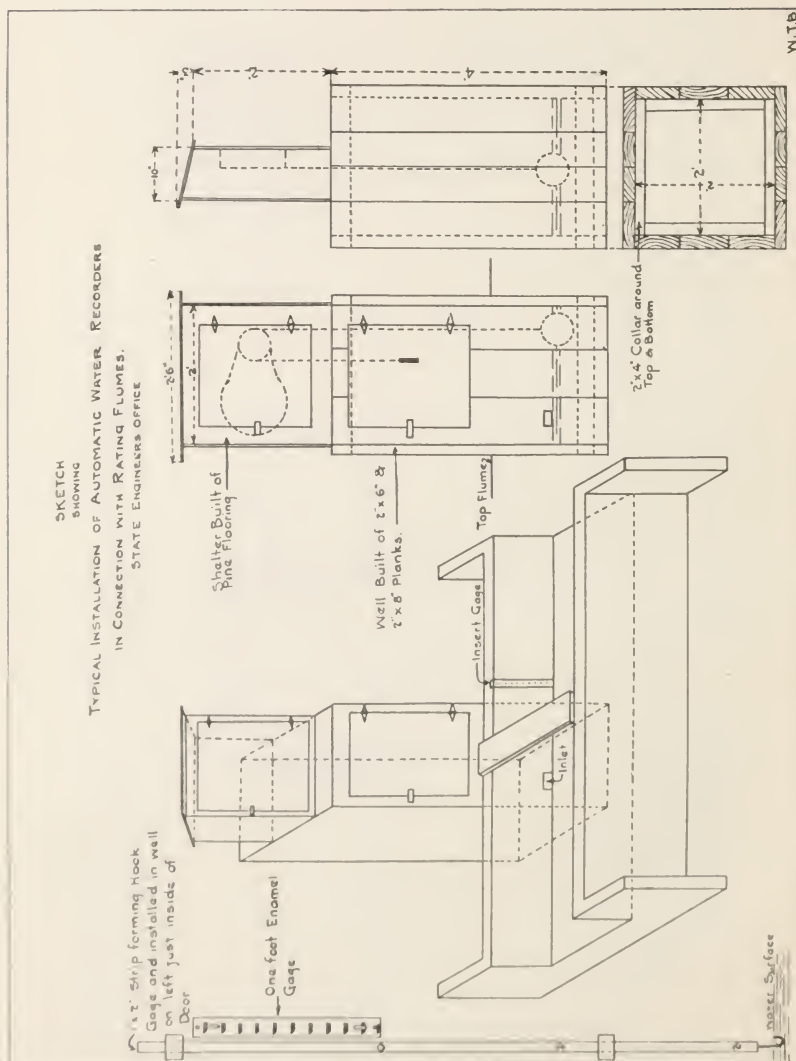


TABLE OF CAPACITIES
AND SIZES

Sec Ft.	W	L	D	B	C	E
5-25	4'-0"	10'-0"	3'-0"	16'	7'-4"	4'-0"
25-50	6'-0"	12'-0"	4'-0"	18'	8'-4"	4'-0"
50-100	8'-0"	14'-0"	4'-6"	20'	9'-0"	4'-0"
100-150	10'-0"	16'-0"	5'-0"	24'	9'-6"	4'-0"



THE IMPROVED VENTURI FLUME

This device for the measurement of water flowing in open channels, is adaptable to both large and small flows. Previously developed devices for the measurement of water, have met with **varying** success, but because of the wide range of conditions under which such devices must function, many such methods have been discarded as impracticable.

Probably the most accurate known device for the measurement of water is the weir. Due to changeable conditions in the ditch section from growth of vegetation, deposit of silt above the weir, carelessness in placing the same in the ditch, and generally to the lack of sufficient fall in the ditch which is most needful, its practical use is rather limited.

Probably the most common type of measuring device is the rectangular flume in which there is installed a gage rod to determine the depth of water flowing at any particular stage. For determining the carrying capacity of such a flume at different depths of flow, it is necessary to keep the flume rated. This is usually done by means of a current meter. Due to change in conditions resulting from sand deposits, growth of vegetation or use of check boards in the canal below, it is necessary to keep such type of flume carefully rated, if serious errors in flowage through the ditch are to be avoided.

To overcome practically all of the aforementioned objections, there has recently been perfected by Mr. R. L. Parshall, Engineer of the Division of Agricultural Engineering, Bureau of Public Roads, U. S. Department of Agriculture, in co-operation with the Colorado Agricultural Experiment Station, what is known as the Improved Venturi Flume.

This device, consisting of three main parts, has first, an upstream converging section with a level floor; second, a throat or contracted section 2 feet in length, with a floor sloping downstream; third, a diverging section with the floor sloping upward. The side walls are all vertical, and in the throat section they are parallel. In all structures, the downstream or outlet end of the floor of the diverging section is 3 inches lower in elevation than the level floor of the upper end of the flume, while the lowest point in the floor is always placed 9 inches lower than the floor at the upper end of the flume. The crest is the downstream end of the floor of the converging section, or is the place of entry to the throat.

The principal advantages of this flume over that of any other measuring device are—

First. It is self-rating, i. e., it does not require rating with a current meter.

Second. It is self-cleaning of sand and silt deposits.

Third. The discharge at any given height is not affected by back-water conditions due to vegetable growth, or sand bars or

other obstructions in the canal below the flume, under usual conditions of operation.

Fourth. The rating table for this flume based upon a constant formula, does not vary unless the water below the flume backs up so as to destroy more than 70 per cent of the difference in head between tail water below the flume and head water above the same.

Fifth. It requires a much less fall in the ditch than does the standard weir.

The accompanying tables, together with cuts of this structure, are published for the information of those who are interested in such matters. For the proper functioning of this measuring device it is needful to carefully observe the directions herein given for the installation of the same. It is thought that such instructions, together with the tables of discharge capacity, are sufficiently clear as to require no further explanation.

**Free-Flow Discharge Table for
IMPROVED VENTURI FLUME**

Computed from the Formula $Q=4 WH_a^{1.522W^{0.026}}$

Discharge in Cubic Feet Per Second for Flumes of Various Widths

Upper Gage Head H_a		1 Foot	2 Feet	3 Feet	4 Feet	5 Feet	6 Feet	7 Feet	8 Feet
Feet	Inches								
0.20	2 $\frac{3}{8}$	0.35	0.66	0.97	1.26	....	....	....	....
.21	2 $\frac{1}{2}$	.37	.71	1.04	1.36	....	....	....	....
.22	2 $\frac{5}{8}$	.40	.77	1.12	1.47	....	....	....	....
.23	2 $\frac{3}{4}$	.43	.82	1.20	1.58	....	....	....	....
.24	2 $\frac{7}{8}$	.46	.88	1.28	1.69	....	....	....	....
.25	3	.49	.93	1.37	1.80	2.22	2.63	....	....
.26	3 $\frac{1}{8}$	.51	.99	1.46	1.91	2.36	2.80	....	....
.27	3 $\frac{1}{4}$	.54	1.05	1.55	2.03	2.50	2.97	....	....
.28	3 $\frac{3}{8}$	.58	1.11	1.64	2.15	2.65	3.15	....	....
.29	3 $\frac{1}{2}$	.61	1.18	1.73	2.27	2.70	3.33	....	....
.30	3 $\frac{5}{8}$	.64	1.24	1.82	2.39	2.96	3.52	4.08	4.62
.31	3 $\frac{3}{4}$	.68	1.30	1.92	2.52	3.12	3.71	4.30	4.88
.32	3 $\frac{7}{8}$	.71	1.37	2.02	2.65	3.28	3.90	4.52	5.13
.33	4	.74	1.44	2.12	2.78	3.44	4.10	4.75	5.39
.34	4 $\frac{1}{8}$	.77	1.50	2.22	2.92	3.61	4.30	4.98	5.66
.35	4 $\frac{3}{8}$	.80	1.57	2.32	3.06	3.88	4.50	5.22	5.93
.36	4 $\frac{1}{2}$	.84	1.64	2.42	3.19	3.95	4.71	5.46	6.20
.37	4 $\frac{5}{8}$	.88	1.72	2.53	3.34	4.13	4.92	5.70	6.48
.38	4 $\frac{3}{4}$	.92	1.79	2.64	3.48	4.31	5.13	5.95	6.76
.39	4 $\frac{7}{8}$	.95	1.86	2.75	3.62	4.49	5.35	6.20	7.05
.40	4 $\frac{3}{4}$	.99	1.93	2.86	3.77	4.68	5.57	6.46	7.34
.41	4 $\frac{1}{2}$	1.03	2.01	2.97	3.92	4.86	5.80	6.72	7.64
.42	5 $\frac{1}{8}$	1.07	2.09	3.08	4.07	5.05	6.02	6.98	7.94
.43	5 $\frac{3}{8}$	1.11	2.16	3.20	4.22	5.24	6.25	7.25	8.24
.44	5 $\frac{1}{4}$	1.15	2.24	3.32	4.38	5.43	6.48	7.52	8.55
.45	5 $\frac{3}{8}$	1.19	2.32	3.44	4.54	5.63	6.72	7.80	8.87
.46	5 $\frac{1}{2}$	1.23	2.40	3.56	4.70	5.83	6.96	8.08	9.19
.47	5 $\frac{5}{8}$	1.27	2.48	3.68	4.86	6.03	7.20	8.36	9.51
.48	5 $\frac{3}{4}$	1.31	2.57	3.80	5.03	6.24	7.44	8.65	9.84
.49	5 $\frac{7}{8}$	1.35	2.65	3.92	5.20	6.45	7.69	8.94	10.17
.50	6	1.39	2.73	4.05	5.36	6.66	7.94	9.23	10.51
.51	6 $\frac{1}{8}$	1.44	2.82	4.18	5.53	6.87	8.20	9.53	10.85
.52	6 $\frac{1}{4}$	1.48	2.90	4.31	5.70	7.09	8.46	9.83	11.19
.53	6 $\frac{3}{8}$	1.52	2.99	4.44	5.88	7.30	8.72	10.14	11.54
.54	6 $\frac{1}{2}$	1.57	3.08	4.57	6.05	7.52	8.98	10.45	11.89
.55	6 $\frac{5}{8}$	1.62	3.17	4.70	6.23	7.74	9.25	10.76	12.24
.56	6 $\frac{3}{4}$	1.66	3.26	4.84	6.41	7.97	9.52	11.07	12.60
.57	6 $\frac{7}{8}$	1.70	3.35	4.98	6.59	8.20	9.79	11.39	12.96
.58	7	1.75	3.44	5.11	6.77	8.43	10.07	11.71	13.33
.59	7 $\frac{1}{8}$	1.80	3.53	5.25	6.96	8.66	10.35	12.03	13.70

**Free-Flow Discharge Table for
IMPROVED VENTURI FLUME**

Computed from the Formula $Q=4 WH_a^{1.522W^{0.026}}$

Discharge in Cubic Feet Per Second for Flumes of Various Widths

Upper Gage Head H_a									
Feet	Inches	1 Foot	2 Feet	3 Feet	4 Feet	5 Feet	6 Feet	7 Feet	8 Feet
.60	7 $\frac{3}{8}$	1.84	3.62	5.39	7.15	8.89	10.63	12.36	14.08
.61	7 $\frac{5}{8}$	1.88	3.72	5.53	7.34	9.13	10.92	12.69	14.46
.62	7 $\frac{7}{8}$	1.93	3.81	5.68	7.53	9.37	11.20	13.02	14.84
.63	7 $\frac{9}{8}$	1.98	3.91	5.82	7.72	9.61	11.49	13.36	15.23
.64	7 $\frac{11}{8}$	2.03	4.01	5.97	7.91	9.85	11.78	13.70	15.62
.65	7 $\frac{13}{8}$	2.08	4.11	6.12	8.11	10.10	12.08	14.05	16.01
.66	7 $\frac{15}{8}$	2.13	4.20	6.26	8.31	10.34	12.38	14.40	16.41
.67	8 $\frac{1}{8}$	2.18	4.30	6.41	8.51	10.59	12.68	14.75	16.81
.68	8 $\frac{3}{8}$	2.23	4.40	6.56	8.71	10.85	12.98	15.10	17.22
.69	8 $\frac{5}{8}$	2.28	4.50	6.71	8.91	11.10	13.28	15.46	17.63
.70	8 $\frac{7}{8}$	2.33	4.60	6.86	9.11	11.36	13.59	15.82	18.04
.71	8 $\frac{9}{8}$	2.38	4.70	7.02	9.32	11.62	13.90	16.18	18.45
.72	8 $\frac{11}{8}$	2.43	4.81	7.17	9.53	11.88	14.22	16.55	18.87
.73	8 $\frac{13}{8}$	2.48	4.91	7.33	9.74	12.14	14.53	16.92	19.29
.74	8 $\frac{15}{8}$	2.53	5.02	7.49	9.95	12.40	14.85	17.29	19.71
.75	9	2.58	5.12	7.65	10.16	12.67	15.17	17.66	20.14
.76	9 $\frac{1}{8}$	2.63	5.23	7.81	10.38	12.94	15.49	18.04	20.57
.77	9 $\frac{3}{8}$	2.68	5.34	7.97	10.60	13.21	15.82	18.42	21.01
.78	9 $\frac{5}{8}$	2.74	5.44	8.13	10.81	13.48	16.15	18.81	21.46
.79	9 $\frac{7}{8}$	2.80	5.55	8.30	11.03	13.76	16.48	19.20	21.91
.80	9 $\frac{9}{8}$	2.85	5.66	8.46	11.25	14.04	16.81	19.59	22.36
.81	9 $\frac{11}{8}$	2.90	5.77	8.63	11.48	14.32	17.15	19.99	22.81
.82	9 $\frac{13}{8}$	2.96	5.88	8.79	11.70	14.60	17.49	20.39	23.26
.83	9 $\frac{15}{8}$	3.02	6.00	8.96	11.92	14.88	17.83	20.79	23.72
.84	10 $\frac{1}{8}$	3.07	6.11	9.13	12.15	15.17	18.17	21.18	24.18
.85	10 $\frac{3}{8}$	3.12	6.22	9.30	12.38	15.46	18.52	21.58	24.64
.86	10 $\frac{5}{8}$	3.18	6.33	9.48	12.61	15.75	18.87	21.99	25.11
.87	10 $\frac{7}{8}$	3.24	6.44	9.65	12.84	16.04	19.22	22.40	25.58
.88	10 $\frac{9}{8}$	3.29	6.56	9.82	13.07	16.33	19.57	22.82	26.06
.89	10 $\frac{11}{8}$	3.35	6.68	10.00	13.31	16.62	19.93	23.24	26.54
.90	10 $\frac{13}{8}$	3.41	6.80	10.17	13.55	16.92	20.29	23.66	27.02
.91	10 $\frac{15}{8}$	3.46	6.92	10.35	13.79	17.22	20.65	24.08	27.50
.92	11 $\frac{1}{8}$	3.52	7.03	10.52	14.03	17.52	21.01	24.50	27.99
.93	11 $\frac{3}{8}$	3.58	7.15	10.71	14.27	17.82	21.38	24.93	28.48
.94	11 $\frac{5}{8}$	3.64	7.27	10.89	14.51	18.13	21.75	25.36	28.97
.95	11 $\frac{7}{8}$	3.70	7.39	11.07	14.76	18.44	22.12	25.79	29.47
.96	11 $\frac{9}{8}$	3.76	7.51	11.26	15.00	18.75	22.49	26.22	29.97
.97	11 $\frac{11}{8}$	3.82	7.63	11.44	15.25	19.06	22.86	26.66	30.48
.98	11 $\frac{13}{8}$	3.88	7.75	11.63	15.50	19.37	23.24	27.10	30.98
.99	11 $\frac{15}{8}$	3.94	7.88	11.82	15.75	19.68	23.62	27.55	31.49

Free-Flow Discharge Table for IMPROVED VENTURI FLUME

Computed from the Formula $Q=4 W H_a^{1.522W^{0.026}}$

Discharge in Cubic Feet Per Second for Flumes of Various Widths

Upper Gage Head H_a									
Feet	Inches	1 Foot	2 Feet	3 Feet	4 Feet	5 Feet	6 Feet	7 Feet	8 Feet
1.00	12	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00
1.01	12 $\frac{1}{8}$	4.06	8.12	12.19	16.25	20.32	24.38	28.45	32.52
1.02	12 $\frac{1}{4}$	4.12	8.25	12.38	16.51	20.64	24.77	28.90	33.04
1.03	12 $\frac{3}{8}$	4.18	8.38	12.57	16.76	20.96	25.16	29.36	33.56
1.04	12 $\frac{1}{2}$	4.25	8.50	12.76	17.02	21.28	25.55	29.82	34.08
1.05	12 $\frac{5}{8}$	4.31	8.63	12.96	17.28	21.61	25.94	30.28	34.61
1.06	12 $\frac{3}{4}$	4.37	8.76	13.15	17.54	21.94	26.34	30.74	35.14
1.07	12 $\frac{7}{8}$	4.43	8.88	13.34	17.80	22.27	26.74	31.20	35.68
1.08	12 $\frac{15}{16}$	4.50	9.01	13.54	18.07	22.60	27.13	31.67	36.22
1.09	13 $\frac{1}{16}$	4.56	9.14	13.74	18.34	22.93	27.53	32.14	36.76
1.10	13 $\frac{3}{16}$	4.62	9.27	13.93	18.60	23.26	27.94	32.62	37.30
1.11	13 $\frac{1}{2}$	4.68	9.40	14.13	18.86	23.60	28.35	33.10	37.84
1.12	13 $\frac{5}{8}$	4.75	9.54	14.33	19.13	23.94	28.76	33.58	38.39
1.13	13 $\frac{3}{4}$	4.82	9.67	14.53	19.40	24.28	29.17	34.06	38.94
1.14	13 $\frac{7}{8}$	4.88	9.80	14.73	19.67	24.62	29.58	34.54	39.50
1.15	13 $\frac{15}{16}$	4.94	9.94	14.94	19.94	24.96	30.00	35.02	40.06
1.16	14 $\frac{1}{16}$	5.01	10.07	15.14	20.22	25.31	30.41	35.51	40.62
1.17	14 $\frac{1}{8}$	5.08	10.20	15.34	20.50	25.66	30.83	36.00	41.18
1.18	14 $\frac{1}{4}$	5.15	10.34	15.55	20.78	26.01	31.25	36.50	41.75
1.19	14 $\frac{3}{8}$	5.21	10.48	15.76	21.05	26.36	31.68	37.00	42.32
1.20	14 $\frac{1}{2}$	5.28	10.61	15.96	21.33	26.71	32.10	37.50	42.89
1.21	14 $\frac{5}{8}$	5.34	10.75	16.17	21.61	27.06	32.53	38.00	43.47
1.22	14 $\frac{3}{4}$	5.41	10.89	16.38	21.90	27.42	32.96	38.50	44.05
1.23	14 $\frac{7}{8}$	5.48	11.03	16.60	22.18	27.78	33.39	39.00	44.64
1.24	15	5.55	11.17	16.81	22.47	28.14	33.82	39.51	45.22
1.25	15	5.62	11.31	17.02	22.75	28.50	34.26	40.02	45.80
1.26	15 $\frac{1}{8}$	5.69	11.45	17.23	23.04	28.86	34.70	40.54	46.38
1.27	15 $\frac{1}{4}$	5.76	11.59	17.44	23.33	29.22	35.14	41.05	46.97
1.28	15 $\frac{3}{8}$	5.82	11.73	17.66	23.62	29.59	35.58	41.57	47.57
1.29	15 $\frac{1}{2}$	5.89	11.87	17.88	23.92	29.96	36.02	42.09	48.17
1.30	15 $\frac{5}{8}$	5.96	12.01	18.10	24.21	30.33	36.47	42.62	48.78
1.31	15 $\frac{3}{4}$	6.03	12.16	18.32	24.50	30.70	36.92	43.14	49.38
1.32	15 $\frac{7}{8}$	6.10	12.30	18.54	24.80	31.07	37.37	43.67	49.99
1.33	16	6.18	12.44	18.76	25.10	31.44	37.82	44.20	50.60
1.34	16 $\frac{1}{8}$	6.25	12.59	18.98	25.39	31.82	38.28	44.73	51.22
1.35	16 $\frac{1}{4}$	6.32	12.74	19.20	25.69	32.20	38.74	45.26	51.84
1.36	16 $\frac{3}{8}$	6.39	12.89	19.42	25.99	32.58	39.20	45.80	52.46
1.37	16 $\frac{1}{2}$	6.46	13.03	19.64	26.30	32.96	39.66	46.35	53.08
1.38	16 $\frac{3}{4}$	6.53	13.18	19.87	26.60	33.34	40.12	46.89	53.70
1.39	16 $\frac{7}{8}$	6.60	13.33	20.10	26.90	33.72	40.58	47.44	54.33

Free-Flow Discharge Table for
IMPROVED VENTURI FLUME

Computed from the Formula $Q=4 WH_a^{1.522}W^{0.026}$

Discharge in Cubic Feet Per Second for Flumes of Various Widths

Upper Gage Head H_a									
Feet	Inches	1 Foot	2 Feet	3 Feet	4 Feet	5 Feet	6 Feet	7 Feet	8 Feet
1.40	16 $\frac{13}{16}$	6.68	13.48	20.32	27.21	34.11	41.05	47.99	54.95
1.41	16 $\frac{1}{8}$	6.75	13.63	20.55	27.52	34.50	41.52	48.54	55.58
1.42	17 $\frac{1}{16}$	6.82	13.78	20.78	27.82	34.89	41.99	49.09	56.22
1.43	17 $\frac{3}{16}$	6.89	13.93	21.01	28.13	35.28	42.46	49.64	56.86
1.44	17 $\frac{1}{4}$	6.97	14.08	21.24	28.45	35.67	42.94	50.20	57.50
1.45	17 $\frac{3}{8}$	7.04	14.23	21.47	28.76	36.06	43.42	50.76	58.14
1.46	17 $\frac{1}{2}$	7.12	14.38	21.70	29.07	36.46	43.89	51.32	58.78
1.47	17 $\frac{5}{8}$	7.19	14.54	21.94	29.38	36.86	44.37	51.88	59.33
1.48	17 $\frac{3}{4}$	7.26	14.69	22.17	29.70	37.26	44.85	52.45	60.08
1.49	17 $\frac{7}{8}$	7.34	14.85	22.41	30.02	37.66	45.34	53.02	60.74
1.50	18	7.41	15.00	22.64	30.34	38.06	45.82	53.59	61.40
1.51	18 $\frac{1}{8}$	7.49	15.16	22.88	30.66	38.46	46.31	54.16	62.06
1.52	18 $\frac{1}{4}$	7.57	15.31	23.12	30.98	38.87	46.80	54.74	62.72
1.53	18 $\frac{3}{8}$	7.64	15.47	23.36	31.30	39.28	47.30	55.32	63.38
1.54	18 $\frac{1}{2}$	7.72	15.62	23.60	31.63	39.68	47.79	55.90	64.04
1.55	18 $\frac{5}{8}$	7.80	15.78	23.84	31.95	40.09	48.28	56.48	64.71
1.56	18 $\frac{3}{4}$	7.87	15.94	24.08	32.27	40.51	48.78	57.06	65.38
1.57	18 $\frac{7}{8}$	7.95	16.10	24.32	32.60	40.92	49.28	57.65	66.06
1.58	18 $\frac{15}{16}$	8.02	16.26	24.56	32.93	41.33	49.78	58.24	66.74
1.59	19 $\frac{1}{16}$	8.10	16.42	24.80	33.26	41.75	50.28	58.83	67.42
1.60	19 $\frac{1}{8}$	8.18	16.58	25.05	33.59	42.17	50.79	59.42	68.10
1.61	19 $\frac{3}{16}$	8.26	16.74	25.30	33.92	42.59	51.30	60.02	68.79
1.62	19 $\frac{1}{4}$	8.34	16.90	25.54	34.26	43.01	51.81	60.62	69.48
1.63	19 $\frac{3}{8}$	8.42	17.06	25.79	34.60	43.43	52.32	61.22	70.17
1.64	19 $\frac{1}{2}$	8.49	17.22	26.04	34.93	43.86	52.83	61.82	70.86
1.65	19 $\frac{5}{8}$	8.57	17.38	26.29	35.26	44.28	53.34	62.42	71.56
1.66	19 $\frac{3}{4}$	8.65	17.55	26.54	35.60	44.70	53.86	63.03	72.26
1.67	20 $\frac{1}{16}$	8.73	17.72	26.79	35.94	45.13	54.38	63.64	72.96
1.68	20 $\frac{1}{8}$	8.81	17.88	27.04	36.28	45.56	54.90	64.25	73.66
1.69	20 $\frac{1}{4}$	8.89	18.04	27.30	36.62	46.00	55.42	64.86	74.37
1.70	20 $\frac{3}{8}$	8.97	18.21	27.55	36.96	46.43	55.95	65.48	75.08
1.71	20 $\frac{1}{2}$	9.05	18.38	27.80	37.30	46.86	56.48	66.10	75.79
1.72	20 $\frac{5}{8}$	9.13	18.54	28.06	37.65	47.30	57.00	66.72	76.50
1.73	20 $\frac{3}{4}$	9.21	18.71	28.32	38.00	47.74	57.53	67.34	77.22
1.74	20 $\frac{7}{8}$	9.29	18.88	28.57	38.34	48.17	58.06	67.96	77.94
1.75	21	9.38	19.04	28.82	38.69	48.61	58.60	68.59	78.66
1.76	21 $\frac{1}{8}$	9.46	19.21	29.08	39.04	49.05	59.13	69.22	79.38
1.77	21 $\frac{1}{4}$	9.54	19.38	29.34	39.39	49.50	59.67	69.85	80.10
1.78	21 $\frac{3}{8}$	9.62	19.55	29.60	39.74	49.94	60.20	70.48	80.83
1.79	21 $\frac{1}{2}$	9.70	19.72	29.87	40.10	50.38	60.74	71.11	81.56

Free-Flow Discharge Table for IMPROVED VENTURI FLUME

Computed from the Formula $Q=4 WH_a^{1.522W^{0.026}}$

Discharge in Cubic Feet Per Second for Flumes of Various Widths

Upper Gage Head H_a									
Feet	Inches	1 Foot	2 Feet	3 Feet	4 Feet	5 Feet	6 Feet	7 Feet	8 Feet
1.80	21 $\frac{5}{8}$	9.79	19.90	30.13	40.45	50.83	61.29	71.75	82.89
1.81	21 $\frac{3}{4}$	9.87	20.07	30.39	40.80	51.28	61.83	72.39	83.03
1.82	21 $\frac{7}{8}$	9.95	20.24	30.65	41.16	51.73	62.38	73.03	83.77
1.83	21 $\frac{1}{2}$	10.04	20.42	30.92	41.52	52.18	62.92	73.68	84.51
1.84	22 $\frac{1}{16}$	10.12	20.59	31.18	41.88	52.64	63.46	74.33	85.25
1.85	22 $\frac{3}{16}$	10.20	20.76	31.45	42.24	53.09	64.01	74.98	86.00
1.86	22 $\frac{5}{16}$	10.29	20.93	31.71	42.60	53.55	64.57	75.63	86.75
1.87	22 $\frac{7}{16}$	10.38	21.10	31.98	42.96	54.00	65.13	76.28	87.50
1.88	22 $\frac{9}{16}$	10.46	21.28	32.25	43.32	54.46	65.69	76.93	88.25
1.89	22 $\frac{1}{2}$	10.54	21.46	32.52	43.69	54.92	66.25	77.58	89.00
1.90	22 $\frac{5}{8}$	10.62	21.63	32.79	44.05	55.39	66.81	78.24	89.76
1.91	22 $\frac{3}{4}$	10.71	21.81	33.06	44.42	55.85	67.37	78.90	90.52
1.92	23 $\frac{1}{16}$	10.80	21.99	33.33	44.79	56.32	67.93	79.56	91.29
1.93	23 $\frac{3}{16}$	10.88	22.17	33.60	45.16	56.78	68.50	80.23	92.05
1.94	23 $\frac{1}{4}$	10.97	22.35	33.87	45.53	57.25	69.06	80.90	92.82
1.95	23 $\frac{3}{8}$	11.06	22.53	34.14	45.90	57.72	69.63	81.57	93.59
1.96	23 $\frac{1}{2}$	11.14	22.70	34.42	46.27	58.19	70.20	82.24	94.36
1.97	23 $\frac{5}{8}$	11.23	22.88	34.70	46.64	58.67	70.79	82.91	95.14
1.98	23 $\frac{3}{4}$	11.31	23.06	34.97	47.02	59.14	71.35	83.58	95.92
1.99	23 $\frac{7}{8}$	11.40	23.24	35.25	47.40	59.61	71.92	84.26	96.70
2.00	24	11.49	23.43	35.53	47.77	60.08	72.50	84.94	97.48
2.01	24 $\frac{1}{8}$	11.58	23.61	35.81	48.14	60.56	73.08	85.62	98.26
2.02	24 $\frac{1}{4}$	11.66	23.79	36.09	48.52	61.04	73.66	86.30	99.05
2.03	24 $\frac{3}{8}$	11.75	23.98	36.37	48.90	61.52	74.24	86.99	99.84
2.04	24 $\frac{1}{2}$	11.84	24.16	36.65	49.29	62.00	74.83	87.68	100.63
2.05	24 $\frac{5}{8}$	11.93	24.34	36.94	49.67	62.48	75.42	88.37	101.42
2.06	24 $\frac{3}{4}$	12.02	24.52	37.22	50.05	62.97	76.00	89.06	102.22
2.07	24 $\frac{7}{8}$	12.10	24.70	37.50	50.44	63.46	76.59	89.75	103.02
2.08	24 $\frac{1}{2}$	12.19	24.89	37.78	50.82	63.94	77.19	90.44	103.82
2.09	25 $\frac{1}{16}$	12.28	25.08	38.06	51.21	64.43	77.78	91.14	104.62
2.10	25 $\frac{3}{16}$	12.37	25.27	38.35	51.59	64.92	78.37	91.84	105.43
2.11	25 $\frac{1}{2}$	12.46	25.46	38.64	51.98	65.40	78.97	92.54	106.24
2.12	25 $\frac{5}{16}$	12.55	25.64	38.93	52.37	65.91	79.56	93.25	107.05
2.13	25 $\frac{3}{8}$	12.64	25.83	39.22	52.76	66.40	80.15	93.95	107.86
2.14	25 $\frac{1}{4}$	12.73	26.01	39.50	53.15	66.89	80.75	94.66	108.67
2.15	25 $\frac{3}{8}$	12.82	26.20	39.79	53.54	67.39	81.36	95.37	109.48
2.16	25 $\frac{1}{2}$	12.92	26.39	40.08	53.94	67.89	81.97	96.08	110.30
2.17	26 $\frac{1}{16}$	13.01	26.58	40.37	54.34	68.39	82.58	96.79	111.12
2.18	26 $\frac{3}{16}$	13.10	26.77	40.66	54.73	68.89	83.19	97.51	111.95
2.19	26 $\frac{1}{4}$	13.19	26.96	40.96	55.12	69.39	83.80	98.23	112.78

Free-Flow Discharge Table for
IMPROVED VENTURI FLUME

Computed from the Formula $Q=4 WH_a^{1.522W^{0.026}}$

Discharge in Cubic Feet Per Second for Flumes of Various Widths

Upper Gage Head H_a									
Feet	Inches	1 Foot	2 Feet	3 Feet	4 Feet	5 Feet	6 Feet	7 Feet	8 Feet
2.20	26 $\frac{3}{8}$	13.28	27.20	41.25	55.52	69.90	84.41	98.94	113.60
2.21	26 $\frac{1}{2}$	13.37	27.40	41.54	55.92	70.40	85.02	99.66	114.40
2.22	26 $\frac{5}{8}$	13.46	27.59	41.84	56.32	70.90	85.63	100.40	115.30
2.23	26 $\frac{3}{4}$	13.56	27.78	42.13	56.72	71.41	86.25	101.10	116.10
2.24	26 $\frac{7}{8}$	13.65	27.98	42.43	57.12	71.92	86.87	101.80	116.90
2.25	27	13.74	28.17	42.73	57.52	72.43	87.49	102.60	117.80
2.26	27 $\frac{1}{8}$	13.84	28.36	43.02	57.93	72.94	88.11	103.30	118.60
2.27	27 $\frac{1}{4}$	13.93	28.56	43.32	58.34	73.46	88.73	104.00	119.50
2.28	27 $\frac{3}{8}$	14.01	28.75	43.62	58.74	73.97	89.35	104.80	120.30
2.29	27 $\frac{1}{2}$	14.12	28.95	43.92	59.15	74.49	89.98	105.50	121.20
2.30	27 $\frac{5}{8}$	14.21	29.15	44.22	59.56	75.01	90.61	106.20	122.00
2.31	27 $\frac{3}{4}$	14.30	29.34	44.52	59.96	75.52	91.24	107.00	122.90
2.32	27 $\frac{7}{8}$	14.40	29.54	44.83	60.37	76.04	91.87	107.70	123.70
2.33	28 $\frac{1}{8}$	14.49	29.74	45.13	60.79	76.57	92.50	108.50	124.60
2.34	28 $\frac{1}{4}$	14.59	29.94	45.43	61.20	77.09	93.14	109.20	125.40
2.35	28 $\frac{3}{8}$	14.68	30.13	45.74	61.61	77.61	93.77	110.00	126.30
2.36	28 $\frac{1}{2}$	14.78	30.33	46.04	62.03	78.13	94.41	110.70	127.20
2.37	28 $\frac{5}{8}$	14.87	30.53	46.35	62.44	78.66	95.05	111.50	128.00
2.38	28 $\frac{3}{4}$	14.97	30.73	46.66	62.86	79.19	95.69	112.20	128.90
2.39	28 $\frac{7}{8}$	15.07	30.93	46.96	63.27	79.72	96.33	113.00	129.80
2.40	28 $\frac{1}{2}$	15.16	31.13	47.27	63.69	80.25	96.97	113.70	130.70
2.41	28 $\frac{5}{4}$	15.26	31.33	47.58	64.11	80.78	97.62	114.50	131.50
2.42	29 $\frac{1}{8}$	15.35	31.54	47.89	64.53	81.31	98.27	115.30	132.40
2.43	29 $\frac{1}{4}$	15.45	31.74	48.20	64.95	81.84	98.91	116.00	133.30
2.44	29 $\frac{1}{2}$	15.55	31.94	48.51	65.38	82.38	99.56	116.80	134.20
2.45	29 $\frac{3}{4}$	15.64	32.14	48.82	65.80	82.92	100.20	117.60	135.10
2.46	29 $\frac{1}{2}$	15.74	32.35	49.13	66.23	83.45	100.90	118.30	135.90
2.47	29 $\frac{5}{8}$	15.84	32.55	49.45	66.65	83.99	101.50	119.10	136.80
2.48	29 $\frac{3}{4}$	15.94	32.76	49.76	67.07	84.53	102.20	119.90	137.70
2.49	29 $\frac{7}{8}$	16.03	32.96	50.08	67.50	85.07	102.80	120.60	138.60
2.50	30	16.13	33.17	50.39	67.93	85.62	103.50	121.40	139.50

STANDARD DIMENSIONS AND CAPACITIES

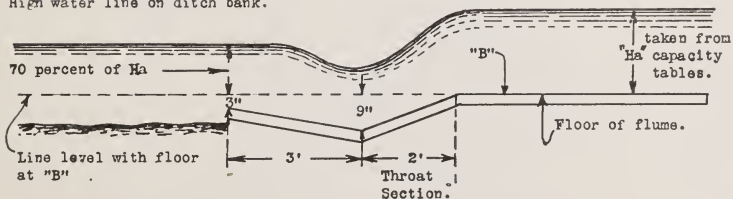
IMPROVED VENTURI FLUME

Note—Refer to Isometric Drawing

Crest Width	Dimensions in Feet						Discharge Capacity in Cu. Ft. Per Sec. Free Flow Conditions			
							Maximum	Minimum	Maximum	Minimum
W	A	2/3 A	B	2/3 B	C	D	Ha	Sec. Ft.	Ha	Sec. Ft.
1	4'-6"	3'-0"	4'- 47 $\frac{1}{8}$ "	2'-11 $\frac{1}{4}$ "	2	2'- 9 $\frac{1}{4}$ "	2.50	16.1	0.20	0.35
2	5'-0"	3'-4"	4'-10 $\frac{3}{4}$ "	3'- 3 $\frac{1}{4}$ "	3	3'-11 $\frac{1}{2}$ "	2.50	33.2	0.20	0.66
3	5'-6"	3'-8"	5'- 45 $\frac{5}{8}$ "	3'- 7 $\frac{1}{8}$ "	4	5'- 17 $\frac{1}{8}$ "	2.50	50.4	0.20	0.97
4	6'-0"	4'-0"	5'-10 $\frac{5}{8}$ "	3'-11 $\frac{1}{8}$ "	5	6'- 4 $\frac{1}{4}$ "	2.50	67.9	0.20	1.26
5	6'-6"	4'-4"	6'- 41 $\frac{1}{2}$ "	4'- 3"	6	7'- 65 $\frac{5}{8}$ "	2.50	85.6	0.25	2.22
6	7'-0"	4'-8"	6'-10 $\frac{1}{2}$ "	4'- 7"	7	8'- 9"	2.50	103.5	0.25	2.63
8	8'-0"	5'-4"	7'-10 $\frac{1}{8}$ "	5'- 2 $\frac{3}{4}$ "	9	11'- 1 $\frac{3}{4}$ "	2.50	139.5	0.30	4.62

DIRECTIONS FOR PLACING VENTURI FLUME

High water line on ditch bank.



First—Select from Table of flume capacities, the proper depth of water or head "Ha" that corresponds with the maximum capacity of the ditch, so that "Ha" will ordinarily not exceed one-half of the width of throat "W" which may be adopted.

Second—Locate the **high water line** on the ditch bank where the flume is to be installed, as shown by previous flows.

Third—Place the surface of the floor "B" at a depth of 70 per cent of "Ha," below the high water line.

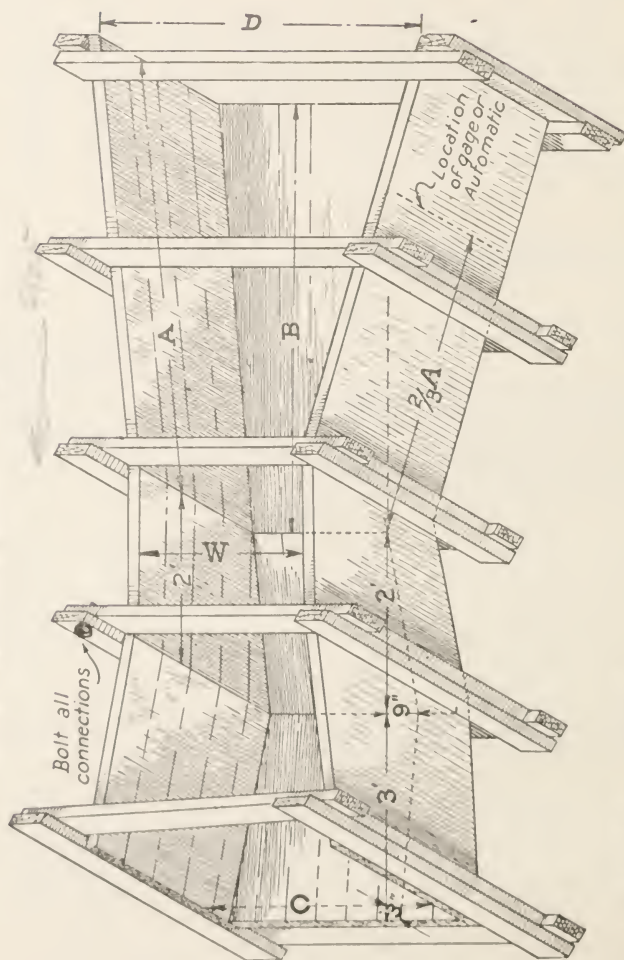
Fourth—Place the floor "B" level both length and crosswise and construct all flume bottoms with the drop and rise and of the lengths as shown by above sketch.

Fifth—Place gage on side of flume at a distance upstream from the throat, equal to two-thirds the distance "A."

Sixth—Provide cut-off wall, and wings at **each** end of flume at 45 degree angles, to prevent water cutting under or around same.

VENTURI FLUME

As Developed by U. S. Department of Agriculture—Irrigation Investigations
Colorado Agricultural Experiment Station Cooperating



Note—Refer to Table for dimensions and capacities.

Male Floor **B** level both ways.

Slope Floor of throat 9 inches in 2 feet as shown.

Raise lower end of Floor 6 inches in 3 feet as shown.

leaving lower end 3 inches lower than upper end of flume.

OFFICE OF STATE ENGINEER
DENVER, COLORADO
1926

RECOMMENDED LEGISLATION

The experience of the past three years has indicated the need for certain new legislation, together with amendments to existing laws relating to our water supplies.

Seven bills for acts were introduced by this office in the last General Assembly. Six of these were enacted into law.

As has been stated, our water supplies are the State's greatest asset. The population and industry which this commonwealth will some day be called upon to support, will be measured almost entirely by the limits of our water supplies. Upon the conservation and use of this common asset, is dependent not only the present welfare of our citizens but in a much greater degree, the advancement and stability of our future generations. Such conservation may be accomplished thru three major sources, viz.: restraining the water which now flows to waste, more efficient administration of the present laws, and thru a more effective application of the water to the uses applied. To encourage and promote such purpose, effective legislation is from time to time needful.

A study of the records shows that on an average there flows out of this State annually, nearly fourteen hundred thousand acre-feet of water, a large percentage of which it is possible to retain and apply to the immediate and future development of the State. No little portion of this wastage occurs through the present method of administering the decrees for storage purposes. For the purpose of correcting this condition we believe proper legislation should permit storage of water in reservoirs in accordance with geographical location rather than in order of priority. Such plan would also permit of a maximum application of the waters in the upper portion of a drainage system, which is needful for the greatest utilization of same. Needless to state that this recommended change in administering the storage decrees would have to provide proper safe-guards for protecting the rights of senior reservoirs located lower down on a stream. This we believe may be done.

While such plan may appear revolutionary, yet it is but another step needful toward compliance with one of the fundamentals of our irrigation institutions, viz.: the economic and efficient use of our available water supplies. Even tho the administration of such a law tended to injure individual interests, we believe the paramount interest of the state at large would justify such action; but where such individual interests can be effectively safe-guarded, we see no valid reasons for objection to such procedure.

For the more efficient administration of the decrees we believe it also needful to consolidate certain water districts in the State, and to this end we are presenting bills to the incoming legislature to effect this result.

For like reasons we believe provision should be made

whereby a Division Engineer under certain conditions may appoint a Water Commissioner at large, who could be detailed to perform service anywhere in his division.

For many years an attempt has been made to change the present method of paying Water Commissioners and their deputies, which has been found to be cumbersome and results in much injustice to such employees. We believe such officials should be paid by the water users whom they directly serve and not by the state at large. But that disbursement of such salaries should be thru the State Treasurer rather than by the various Boards of County Commissioners, as is the present method. The State to be reimbursed monthly by the counties for such sums certified by the Division Engineer.

Amendment to the present law concerning the duties of Water Commissioners and their deputies or assistants, should require them to maintain telephone connections which would enable them to be reached by a superior officer. The same should apply to ditch superintendents where required to do so by the State Engineer.

For the effective administration of the La Plata River Compact between the State of New Mexico and Colorado, it appears needful to provide a special Deputy State Engineer who would function under the immediate orders of the State Engineer, which official the Compact designates as the responsible administrative officer. The present method of administration thru the local water commissioner seems to have been fruitful of much friction.

Another desired step in the promotion of efficiency and economy, is the elimination of Irrigation Division No. 5 thru a consolidation with Division No. 4. These two divisions constitute the drainage system of the main Colorado River in Colorado, and should be administered as a single division. Such consolidation not only would result in much greater efficiency, but would effect a saving of \$1,900 per year to the tax payers.

This office is badly in need of additional filing facilities for the voluminous records.

Provision should be made for an office draftsman and one additional hydrographer.

Provision should also be made for the publication of the large mass of valuable data accumulated by the office and which, under present conditions, is of little value to the public.

The numerous requests for information concerning our irrigation laws and Supreme Court decisions relating thereto, would justify the expenditure necessary to the issuance of a new and revised edition of a former such publication by this office in 1909.

And last but not least, the importance of the irrigable area and water resources of this State justify a systematic and careful accounting of the same and the publication of the results of such study. California, with vision and proper regard for the future, has been carrying on such an investigation for a number

of years. The results attained are of inestimable value to the people of the State, not only for the purpose of informing themselves of their natural assets but in the planning for the most logical and efficient development of the same as the demands arise. There has been appropriated for the use of the State Engineer for such purposes, sums aggregating about one-half million dollars.

Surely the people of Colorado could well afford to appropriate as much as \$100,000 to be expended over a period of four years in a cause so needful for her development, a sum trivial in comparison to that invested in expensive highways many of which will be worn out before they are paid for.

CHAPTER XVI

TABLES OF STREAM DISCHARGE

WITH LOCATION AND DESCRIPTION

of

ALL GAGING STATIONS MAINTAINED

IN COLORADO

BY THE OFFICE OF STATE ENGINEER

AND THRU CO-OPERATION WITH

THE UNITED STATES GEOLOGICAL SURVEY

OTHER STATES AND CORPORATIONS

PLATTE RIVER DRAINAGE

SOUTH FORK OF SOUTH PLATTE RIVER AT
LAKE GEORGE

Location—at highway bridge in Sec. 19, T. 12 S., R. 71 W., one-fourth mile below Lake George.

Records Available—October 22, 1910, to September 30, 1926.

Gage—Automatic and staff gages.

Accuracy—Records considered good.

SOUTH FORK SOUTH PLATTE RIVER ABOVE LAKE
CHEESMAN

Location—One-half mile above high water line of Lake Cheesman. Sharp crested weir.

Records Available—October 1, 1924, to Sept. 30, 1926. Acre-foot estimates 1909 to date.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co operation—Records kept by the City of Denver.

SOUTH FORK SOUTH PLATTE RIVER BELOW LAKE
CHEESMAN

Location—One-quarter mile below dam.

Records Available—October 1, 1924, to September 30, 1926. Acre-foot estimates 1909 to date.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the City of Denver.

NORTH FORK OF SOUTH PLATTE RIVER AT SOUTH PLATTE

Location—In Sec. 25, T. 7 S., R. 70 W., one-third mile above South Platte.

Records Available—January 4, 1909 to September 30, 1910. April 1, 1913, to September 30, 1926.

Gage—Inclined staff.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the United States Geological Survey.

SOUTH PLATTE RIVER AT SOUTH PLATTE

Location—In Sec. 25, T. 7 S., R. 70 W., three-fourths of a mile east of South Platte and about 300 feet below junction of North and South Forks.

Records Available—March 28, 1902, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Estimates are considered good.

Co-operation—Station maintained in co-operation with the United States Geological Survey.

SOUTH PLATTE RIVER AT WATERTON

Location—In Sec. 34, T. 6 S., R. 69 W., 6th P. M. at pipe line crossing from Platte Canon Reservoir to filter beds.

Records Available—May 1, to June 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

SOUTH PLATTE RIVER AT DENVER

Location—Between 15th Street and 16th Street bridges in Denver and about 500 feet below the mouth of Cherry Creek.

Records Available—May 7, 1895, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Estimates considered good.

SOUTH PLATTE RIVER AT HENDERSON

Location—In Sec. 24, T. 1 S., R. 67 W., 6th P. M. just below highway bridge at Henderson.

Records Available—May 1, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

SOUTH PLATTE RIVER NEAR KERSEY

Location—Fifty feet below highway bridge in Sec. 9, T. 5 N., R. 64 W., and one and three-quarters miles north of Kersey.

Records Available—April 27, 1901, to October 31, 1903; March 1, 1905, to November 30, 1912; January 1, 1914, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Estimates considered good.

SOUTH PLATTE RIVER AT SUBLETTE

Location—In Sec. 14, T. 4 N., R. 61 W., at highway bridge south of Sublette.

Records Available—April 19, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

SOUTH PLATTE RIVER AT BALZAC

Location—One-half mile below highway in Sec. 13, T. 5 N., R. 55 W., and three-quarters mile east of Balzac.

Records Available—January, 1917, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Estimates considered fair.

SOUTH PLATTE RIVER AT JULESBURG

Location—In Sec. 33, T. 12 N., R. 44 W. at highway bridge at Julesburg, Colorado.

Records Available—April 2, 1902, to Nov. 16, 1906; May 12, 1908, to Nov. 30, 1912; April 8, 1914, to Sept. 30, 1926.

Gage—Two automatic recording gages.

Accuracy—Records considered fair.

Co-operation—Station maintained in co-operation with the State of Nebraska.

TARRYALL CREEK NEAR LAKE GEORGE

Location—In Sec. 22, T. 11 S., R. 62 W., at McLaughlin's ranch.

Records Available—June 19, to Oct. 26, 1916; April 1, 1925, to Sept. 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

GOOSE CREEK AT LAKE CHEESMAN

Location—About one mile above high water line of Lake Cheesman. Sharp crested weir.

Records Available—Oct. 1, 1924, to Sept. 30, 1926. Acre-foot estimates, 1909 to date.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Records furnished by City of Denver.

BEAR CREEK AT STARBUCK

Location—In Sec. 32, T. 4 S., R. 70 W., at highway bridge at Starbuck postoffice.

Records Available—October 1, 1919, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

CLEAR CREEK NEAR GOLDEN

Location—In Sec. 32, T. 3 S., R. 70 W., one and one-half miles above Golden.

Records Available—December 4, 1908, to December 31, 1909; June 8, to September 24, 1911; January 26, 1912, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Records were furnished by the United States Geological Survey.

SOUTH BOULDER CREEK AT ELDORADO SPRINGS

Location—In Sec. 30, T. 1 S., R. 70 W., at Eldorado Springs.

Records Available—May 15, 1895, to September 30, 1901; July 1, 1904, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Estimates considered good.

BOULDER CREEK NEAR ORODELL

Location—One mile above Orodell in Sec. 34, T. 1 N., R. 71 W.

Records Available—May 12, 1917, to September 30, 1926.

From May 14, 1895, to December 20, 1909, station was located 4 miles below present station. From March 8, 1907, to November 26, 1914, and February 27, to December 12, 1916, station was located one mile below present station. Four Mile Creek enters one and one-half miles below present station.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with Public Service Company.

ST. VRAIN CREEK AT LYONS

Location—Three-fourths mile below Lyons in Sec. 17, T. 3 N., R. 70 W., and one-fourth mile below the junction of the North and South Forks.

Records Available—August 1, 1887, to October 31, 1890; June 1, 1895, to October 31, 1903; July 1, 1904, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

NORTH FORK OF ST. VRAIN CREEK NEAR ALLENS PARK

Location—In Sec. 14, T. 3 N., R. 73 W., at highway bridge near Copeland Lodge.

Records Available—Oct. 23, 1925, to Sept. 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with Geological Survey and Barton M. Jones.

NORTH FORK OF ST. VRAIN CREEK AT LONGMONT DAM

Location—In Sec. 16, T. 3 N., R. 61 W. just below the upper concrete dam of City of Longmont.

Records Available—1913 to 1917 (partial records) June 1, to Sept. 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

MIDDLE FORK ST. VRAIN CREEK NEAR ALLENS PARK

Location—In Sec. 3, T. 2 N., R. 72 W., one mile above Riverside.

Records Available—April 26 to Sept. 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the U. S. Geological Survey and Barton M. Jones.

SOUTH FORK ST. VRAIN CREEK NEAR WARD

Location—In Sec. 36, T. 2 N., R. 73 W.

Records Available—May 29 to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Records furnished by the United States Geological Survey.

BIG THOMPSON RIVER NEAR DRAKE

Location—In the N.W. $\frac{1}{4}$ Sec. 2, T. 5 N., R. 71 W., at Halfway, one-half mile east of Drake.

Records Available—September 18, 1917, to September 30, 1926.

Gage—Vertical staff.

Accuracy—Records considered good.

Co-operation—Records are furnished by the United States Geological Survey.

CACHE LA POUFRE RIVER AT MOUTH OF CANON NEAR FORT COLLINS

Location—In Sec. 15, T. 8 N., R. 70 W., 3 miles below the intake of Fort Collins Water Works.

Records Available—May 15, 1884, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

CACHE LA POUFRE RIVER NEAR MOUTH

Location—In Sec. 2, T. 5 N., R. 65 W. 2 miles east of Greeley just below highway bridge.

Records Available—March 24, 1903, to November 30, 1904; February 1, 1914, to December 17, 1919, and May 27, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the Greeley-Poudre Irrigation District.

NORTH PLATTE RIVER NEAR WALDEN

Location—In Sec. 12, T. 8 N., R. 81 W., on highway bridge 9 miles southwest of Walden. Roaring Fork enters above station.

Records Available—May 13, 1904, to October 31, 1905, and October 1, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the United States Geological Survey.

NORTH PLATTE RIVER NEAR NORTH GATE

Location—In Sec. 11, T. 11 N., R. 80 W., at highway bridge 6 miles south of Colorado-Wyoming line.

Records Available—May 23, 1915, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Results considered good.

Co-operation—Station maintained by the United States Geological Survey.

ROARING FORK NEAR WALDEN

Location—In Sec. 11, T. 8 N., R. 81 W., on highway bridge 10 miles southwest of Walden.

Records Available—July 20, 1904, to October 31, 1905, and October 27, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with United States Geological Survey.

NORTH FORK OF THE NORTH PLATTE RIVER NEAR WALDEN

Location—In Sec. 19, T. 9 N., R. 80 W., about one-fourth mile above mouth and 8 miles west of Walden.

Records Available—May 14, 1904, to October 31, 1905, and October 1, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the United States Geological Survey.

ILLINOIS CREEK NEAR WALDEN

Location—Sec. 20, T. 9 N., R. 79 W., on highway bridge one-half mile north of Walden.

Records Available—May 1, 1917, to August 31, 1918, and May 1, 1923, to September 30, 1926.

Gage—Staff gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the United States Geological Survey.

MICHIGAN RIVER NEAR WALDEN

Location—Sec. 20, T. 9 N., R. 79 W., on highway bridge north of Walden.

Records Available—May 8, 1904, to October 31, 1905; June 1, 1918, to July 26, 1918, and May 1, 1923, to September 30, 1926.

Gage—Automatic gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the United States Geological Survey.

LARAMIE RIVER NEAR GLENDEVEY

Location—In Sec. 36, T. 10 N., R. 76 W., 5 miles east of Glendevy Postoffice.

Records Available—June 24, 1904, to October 31, 1905, and August 18, 1910, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the United States Geological Survey.

LARAMIE RIVER NEAR JELM, WYOMING

Location—At highway bridge in Sec. 15, T. 12 N., R. 77 W., one-fourth mile north of the Colorado-Wyoming line.

Records Available—May 7, 1911, to September 30, 1926. From June 22, 1904, to October 31, 1905, a station was maintained three-fourths of a mile south of this station.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained by the United States Geological Survey.

Discharge of South Fork of South Platte River at Lake George for Year Ending Sept. 30, 1925.
Drainage Area, 1,070 Square Miles. Altitude, 7,693 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	13	26	....	....	....	....	64	20	258	181	144	110
2....	16	28	....	....	....	....	40	20	241	205	114	99
3....	18	29	....	....	....	....	53	17	230	318	94	96
4....	20	29	....	....	....	....	52	22	200	219	293	160
5....	16	36	....	....	....	....	45	28	160	318	235	186
6....	14	40	....	....	....	....	45	45	152	299	224	168
7....	14	24	....	....	....	....	38	47	168	252	144	144
8....	20	27	....	....	....	....	31	66	186	274	136	130
9....	37	24	....	....	....	....	44	78	181	331	104	110
10....	32	24	....	....	....	....	35	81	164	472	246	107
11....	26	24	....	....	....	....	32	83	160	280	252	117
12....	17	25	....	....	....	....	27	86	181	306	186	104
13....	27	28	....	....	....	....	25	96	200	299	164	101
14....	29	27	....	....	....	....	24	104	190	252	123	96
15....	31	30	....	....	....	....	24	110	172	205	114	96
16....	38	30	....	....	....	....	22	94	181	176	99	91
17....	42	30	....	....	....	....	20	70	190	306	78	83
18....	42	28	....	....	....	....	15	50	176	269	62	83
19....	45	28	....	....	....	....	11	36	156	252	58	88
20....	41	27	....	....	....	....	11	29	200	306	83	86
21....	36	23	....	....	....	....	15	26	373	522	104	86
22....	31	26	....	....	....	....	16	117	387	402	107	86
23....	30	12	....	....	....	....	107	15	214	358	402	110
24....	31	20	....	....	....	....	99	15	224	293	269	96
25....	32	30	....	....	....	....	101	19	263	235	221	96
26....	32	27	....	....	....	....	101	18	289	200	210	152
27....	28	30	....	....	....	....	83	20	280	214	186	258
28....	24	28	....	....	....	....	81	20	263	210	176	235
29....	24	28	....	....	....	....	76	18	263	190	168	214
30....	22	30	....	....	....	....	81	18	280	172	160	168
31....	20	....	....	....	....	....	62	....	269	....	172	136
Total	848	818	....	....	....	....	832	3661	6378	8411	4629	3759
Mean.	27.4	27.3	....	....	....	....	27.7	118	213	271	149	125
Max..	45	40	....	....	....	....	64	280	387	522	293	274
Min..	13	12	....	....	....	....	11	17	152	160	58	83
Acres-ft.	1680	1620	....	....	....	....	1650	7260	12700	16700	9160	7440

Discharge of South Fork of South Platte River at Lake George for Year Ending Sept. 30, 1926.
Drainage Area, 1,070 Square Miles. Altitude, 7,693 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	91	53	....	....	....	....	36	83	186	214	99	101
2....	104	50	....	....	....	....	40	78	241	224	114	101
3....	110	45	....	....	....	....	44	72	228	271	118	104
4....	88	36	....	....	....	....	47	56	387	848	181	114
5....	64	31	....	....	....	....	110	48	380	622	280	72
6....	72	36	....	....	....	....	110	79	351	613	338	58
7....	74	56	....	....	....	....	116	195	373	558	432	53
8....	70	44	....	....	....	....	164	205	464	472	280	53
9....	60	56	....	....	....	....	140	133	448	424	190	56
10....	60	47	....	....	....	....	126	96	402	351	219	50
11....	64	....	....	....	....	....	110	86	293	286	214	47
12....	68	....	....	....	....	....	78	99	258	263	210	53
13....	64	....	....	....	....	....	78	104	416	263	205	52
14....	64	....	....	....	....	....	76	114	432	200	299	45
15....	74	....	....	....	....	....	62	88	269	161	172	41
16....	88	....	....	....	....	....	58	72	181	464	144	37
17....	101	....	....	....	....	....	64	72	156	472	140	30
18....	117	....	....	....	....	....	91	56	210	133	141	28
19....	104	....	....	....	....	....	74	44	176	91	148	28
20....	72	....	....	....	....	....	74	41	126	68	117	25
21....	66	....	....	....	....	....	104	42	99	99	117	24
22....	58	....	....	....	....	....	200	48	56	312	117	24
23....	69	....	....	....	....	....	214	68	66	200	114	24
24....	70	....	....	....	....	....	168	91	56	210	117	22
25....	64	....	....	....	....	....	120	172	53	263	114	21
26....	66	....	....	....	....	....	81	293	55	190	101	20
27....	55	....	....	....	....	....	72	480	68	148	101	17
28....	45	....	....	....	....	....	45	126	416	78	130	110
29....	44	....	....	....	....	....	41	114	280	99	176	148
30....	42	....	....	....	....	....	35	88	176	126	186	110
31....	56	....	....	....	....	....	32	....	144	....	136	104
Total	2229	....	....	....	....	....	2985	4022	6843	8454	5327	1357
Mean.	71.9	40	....	....	....	....	99.5	130	228	273	172	45.2
Max..	117	....	....	....	....	....	214	480	464	848	432	114
Min..	42	....	....	....	....	....	36	41	53	68	99	47
Acres-ft.	4420	2380	....	....	....	....	5920	7990	13600	16800	10600	2690

Unless otherwise noted, all discharges are in cubic feet per second

Discharge of South Fork of South Platte River Above Lake Cheesman for Year Ending Sept. 30, 1925. Drainage Area, 1,680 Square Miles. Altitude, 6,835 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	18	48	17	8	6	8	98	35	346	204	211	334
2....	29	50	19	8	6	8	99	34	328	214	179	294
3....	31	56	20	8	6	11	97	33	289	246	139	219
4....	27	64	20	9	6	12	94	34	271	369	219	220
5....	27	64	17	7	6	16	94	45	248	298	212	275
6....	24	62	27	4	6	46	98	62	209	337	321	253
7....	24	39	19	4	6	46	95	80	209	293	231	263
8....	32	40	19	4	7	46	77	88	246	256	223	270
9....	32	39	13	3	7	50	77	101	252	265	156	233
10....	24	40	14	4	7	63	75	104	241	418	194	195
11....	26	27	21	4	7	41	65	112	223	294	343	178
12....	92	34	21	3	7	59	70	130	228	283	314	163
13....	92	28	15	4	6	68	64	151	251	313	290	135
14....	69	38	17	4	5	62	58	138	233	303	245	146
15....	72	38	17	4	5	56	56	127	218	258	212	153
16....	94	41	18	4	5	51	48	116	209	222	168	151
17....	90	48	18	4	5	62	55	111	240	303	131	131
18....	106	48	15	4	6	42	29	99	253	281	109	115
19....	105	53	7	4	7	40	30	91	214	249	91	115
20....	107	56	8	5	7	42	34	89	195	270	119	114
21....	93	57	9	5	7	39	34	91	275	412	181	106
22....	76	57	9	5	7	64	34	135	427	444	246	101
23....	76	39	9	5	7	79	34	267	444	503	213	105
24....	65	33	9	5	7	105	34	289	380	392	185	138
25....	65	27	9	5	7	102	32	318	333	291	183	247
26....	58	16	9	5	7	103	36	337	284	262	249	318
27....	61	23	9	6	8	110	35	335	267	225	397	310
28....	55	23	9	6	8	108	36	305	260	186	403	248
29....	61	23	10	6	...	107	34	312	232	192	342	210
30....	60	17	7	6	...	114	33	330	209	191	285	184
31....	60	...	7	6	...	116	...	332	...	215	251	...
Total	1851	1228	438	159	181	1876	1755	4831	8014	9889	7042	5924
Mean.	59.7	40.9	14.1	5.13	6.46	60.5	58.5	156	267	290	227	197
Max.	107	64	27	9	8	116	99	337	444	503	403	334
Min.	18	16	7	3	5	8	29	33	195	186	91	101
Acre-ft.	3670	2430	867	315	359	3720	3480	9590	15900	17800	14000	11700

Discharge of South Fork of South Platte River Above Lake Cheesman for Year Ending Sept. 30, 1926. Drainage Area, 1,680 Square Miles. Altitude, 6,835 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	158	110	60	15	13	22	61	262	422	293	175	123
2....	145	112	60	15	11	39	44	255	463	340	150	112
3....	135	117	56	18	9	42	56	250	529	333	173	108
4....	118	122	39	15	9	42	85	255	587	501	186	114
5....	104	113	51	18	9	44	97	251	580	795	257	127
6....	111	57	49	18	12	57	103	256	595	781	323	112
7....	148	76	50	18	11	37	149	346	583	684	435	101
8....	146	84	42	18	11	51	225	347	628	591	490	92
9....	117	65	39	18	13	46	472	304	762	488	371	86
10....	112	78	36	18	13	57	325	270	768	426	359	83
11....	110	68	36	18	13	48	218	248	681	470	337	81
12....	115	82	44	18	13	46	208	259	569	464	296	82
13....	149	85	39	15	13	46	219	261	572	492	262	84
14....	133	78	32	15	13	55	245	273	724	434	315	82
15....	131	52	24	15	13	53	249	256	667	343	293	78
16....	151	47	28	15	16	54	251	220	494	318	256	73
17....	166	55	33	14	15	77	258	208	398	326	246	70
18....	178	69	19	14	16	75	304	202	407	261	232	56
19....	174	58	25	11	16	84	299	223	429	206	223	51
20....	169	55	23	11	18	79	282	223	371	191	208	48
21....	163	41	20	11	19	81	307	220	336	191	181	48
22....	143	47	15	11	18	68	337	234	238	240	161	48
23....	138	53	15	11	18	75	465	241	208	252	159	47
24....	139	54	15	9	18	84	557	277	182	255	164	46
25....	120	62	13	11	21	84	344	345	160	268	151	43
26....	101	63	13	12	20	63	281	465	153	261	133	43
27....	106	65	13	11	20	68	255	601	159	219	115	45
28....	103	63	13	11	22	66	275	730	157	193	119	52
29....	107	61	15	11	...	64	345	653	198	203	133	56
30....	106	53	18	13	...	42	279	477	251	277	145	49
31....	109	...	18	13	...	58	...	400	...	232	134	...
Total	4105	2145	953	441	413	1807	7595	9812	13271	11328	7182	2240
Mean.	132	71.5	30.7	14.2	14.8	58.3	253	317	442	365	232	74.7
Max.	178	122	60	18	22	84	557	730	768	795	490	127
Min.	101	41	13	9	9	22	44	202	153	191	115	43
Acre-ft.	8120	4250	1890	873	822	3580	15100	19500	26300	22400	14300	4440

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Fork of South Platte River Below Lake Cheesman for Year Ending Sept. 30, 1925. Drainage Area, 1,766 Square Miles. Altitude . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	26	75	80	140	105	75	41	160	263	190	77	339
2....	26	75	80	140	105	61	41	160	296	161	77	339
3....	26	62	80	135	105	40	34	160	376	153	77	319
4....	26	62	80	116	105	21	16	160	385	153	118	278
5....	26	62	81	114	105	21	16	160	239	153	270	269
6....	26	62	105	114	105	11	16	160	233	258	307	269
7....	26	62	105	114	105	11	16	190	233	310	333	269
8....	26	62	105	114	105	11	16	205	233	319	307	269
9....	26	62	98	114	105	9	24	226	233	265	255	299
10....	122	62	77	114	105	4	41	241	374	211	231	307
11....	528	62	77	114	105	26	41	241	530	368	235	281
12....	426	62	77	114	101	52	53	253	530	292	313	250
13....	181	64	82	114	89	6	76	273	511	215	350	203
14....	136	80	93	114	76	4	76	279	495	203	357	166
15....	127	80	93	114	76	4	169	279	176	203	324	166
16....	102	80	100	114	76	4	168	253	147	160	272	166
17....	91	80	119	114	81	4	191	248	189	117	223	180
18....	91	80	119	114	91	4	198	248	140	109	187	184
19....	91	63	119	114	91	26	194	233	107	109	180	156
20....	91	63	119	114	85	49	177	215	102	109	180	147
21....	94	54	119	114	61	5	167	213	93	109	180	147
22....	113	54	119	114	51	3	185	213	136	194	210	135
23....	113	54	119	114	51	3	208	213	317	281	218	132
24....	113	54	119	114	51	31	213	242	362	440	242	132
25....	113	60	119	114	51	25	213	307	333	336	248	132
26....	113	80	119	114	51	7	199	307	258	235	248	198
27....	103	80	119	114	51	7	193	307	258	160	282	307
28....	95	80	119	138	54	15	153	307	221	98	422	314
29....	85	80	126	130	....	31	153	289	170	80	450	266
30....	85	80	140	121	....	34	153	267	208	77	426	228
31....	85	....	140	115	....	41	....	263	....	77	356	....
Total	3332	2036	3247	3657	2342	645	3441	7272	8148	6145	7955	6847
Mean.	107	67.9	105	118	83.6	20.8	115	235	272	198	257	228
Max.	528	80	140	140	105	75	213	307	530	440	450	339
Min.	26	54	77	114	51	3	16	160	93	77	77	132
Acre-ft.	6580	4040	6460	7260	4640	1280	6840	14400	16200	12200	15800	13600

Discharge of South Fork of South Platte River Below Lake Cheesman for Year Ending Sept. 30, 1926. Drainage Area, 1,766 Square Miles. Altitude . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	225	22	....	....	....	....	....	3	688	371	562	261
2....	194	16	....	....	....	....	....	3	729	405	469	238
3....	187	14	....	....	....	....	....	3	790	430	376	238
4....	187	13	....	....	....	....	....	3	861	630	196	238
5....	187	12	....	....	....	....	....	3	865	1040	236	211
6....	187	11	....	....	....	....	....	3	865	1010	320	148
7....	187	10	....	....	....	....	....	3	850	865	422	118
8....	187	10	....	....	....	....	....	3	907	719	492	104
9....	187	10	....	....	....	....	....	3	1060	595	492	98
10....	187	9	....	....	....	....	....	3	1080	514	360	82
11....	187	8	....	....	....	....	....	3	930	559	373	76
12....	187	7	....	....	....	....	....	3	783	589	307	90
13....	187	6	....	....	....	....	....	3	801	580	288	82
14....	187	5	....	....	....	....	....	3	976	500	313	82
15....	187	5	....	....	....	....	....	3	838	455	341	81
16....	187	5	....	....	....	....	....	3	827	397	290	73
17....	187	5	....	....	....	....	....	144	532	379	252	62
18....	187	5	....	....	....	....	....	379	541	330	252	62
19....	187	5	....	....	....	....	....	405	514	284	236	61
20....	209	5	....	....	....	....	....	427	466	266	202	53
21....	214	5	....	....	....	....	....	444	363	261	202	42
22....	214	5	....	....	....	....	....	492	305	279	187	49
23....	214	5	....	....	....	....	....	559	279	298	172	48
24....	214	5	....	....	....	....	....	601	265	324	240	48
25....	214	5	....	....	....	....	....	668	250	311	464	45
26....	191	5	....	....	....	....	....	804	240	288	450	40
27....	172	5	....	....	....	....	....	980	236	254	410	48
28....	140	5	....	....	....	....	....	1200	234	303	379	62
29....	77	5	....	....	....	....	....	1050	254	511	405	63
30....	36	5	....	....	....	....	....	804	299	574	475	53
31....	28	....	....	....	....	....	....	688	....	610	526	....
Total	5521	233	....	....	....	....	....	9687	18628	14934	10689	2956
Mean.	178	7.77	5.25	5.25	5.00	3.25	3.25	312	621	482	345	98.5
Max.	225	22	....	....	....	....	....	1200	1080	1040	562	261
Min.	28	5	....	....	....	....	....	3	234	254	172	40
Acre-ft.	10900	462	323	323	278	200	193	19200	37000	29600	21200	5860

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North Fork of South Platte River at South Platte for Year Ending Sept. 30, 1925.
Drainage Area, 450 Square Miles. Altitude, 6,097 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	57	78	51	....	....	....	56	72	158	133	80	121
2....	66	76	57	....	....	....	56	78	140	138	70	111
3....	71	71	62	....	....	....	60	89	130	149	73	116
4....	66	71	59	....	....	....	51	86	118	177	91	138
5....	71	68	57	....	....	....	50	73	111	173	105	128
6....	71	68	51	....	....	....	59	74	114	140	112	138
7....	71	62	56	....	....	....	59	80	128	127	96	191
8....	115	38	44	....	....	....	55	92	114	122	89	145
9....	94	50	45	....	....	....	57	94	108	115	92	128
10....	94	66	44	....	....	....	56	94	109	108	127	124
11....	88	66	44	....	....	....	58	102	116	101	161	122
12....	88	40	....	....	....	....	65	105	118	98	135	126
13....	71	66	....	....	....	....	73	102	111	92	126	128
14....	71	54	....	....	....	....	67	102	108	83	112	137
15....	82	66	....	....	....	41	72	102	118	75	98	122
16....	88	71	....	....	....	47	81	94	127	78	97	115
17....	94	82	....	....	....	46	87	96	132	98	92	109
18....	88	57	....	....	....	38	93	96	144	91	92	108
19....	101	76	....	....	....	38	83	104	138	78	98	107
20....	94	66	....	....	....	47	66	112	158	92	133	104
21....	94	71	....	....	....	46	65	130	212	112	138	120
22....	94	76	....	....	....	49	75	144	195	121	111	107
23....	88	62	....	....	....	53	76	158	173	105	98	121
24....	82	40	....	....	....	52	62	151	167	88	101	147
25....	76	38	....	....	....	50	56	156	156	82	107	145
26....	76	40	....	....	....	54	51	154	142	77	171	132
27....	76	57	....	....	....	47	66	147	135	72	144	128
28....	71	62	....	....	....	55	64	151	126	75	130	116
29....	71	47	....	....	....	49	62	160	137	74	121	116
30....	71	54	....	....	....	53	67	160	137	80	112	118
31....	66	....	....	....	....	51	....	167	....	89	127	....
Total	2506	1839	570	....	....	816	1948	3525	4080	3243	3439	3768
Mean.	80.8	61.3	51.8	....	....	48.0	64.9	114	136	105	111	126
Max..	115	82	62	....	....	55	93	167	212	177	171	191
Min..	57	38	44	....	....	38	50	72	108	72	70	104
Acre-ft.	4970	3650	1130	....	....	1620	3860	7010	8090	6460	6820	7500

Discharge of North Fork of South Platte River at South Platte for Year Ending Sept. 30, 1926.
Drainage Area, 450 Square Miles. Altitude, 6,097 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	112	112	85	....	....	30	56	514	1160	390	245	187
2....	109	111	85	....	....	30	58	497	1200	402	238	175
3....	106	118	85	....	....	30	59	518	1080	399	222	175
4....	103	107	65	....	....	28	71	537	1170	424	227	185
5....	104	85	72	....	....	30	99	561	1100	405	218	181
6....	175	89	99	....	....	32	129	665	1130	452	291	158
7....	139	111	97	....	....	34	119	553	1260	452	294	112
8....	118	93	60	....	....	40	139	537	1190	405	342	108
9....	112	92	54	....	....	44	116	476	998	387	303	106
10....	108	95	73	....	....	46	102	444	858	452	288	102
11....	118	97	65	....	....	47	126	458	844	414	321	99
12....	142	103	76	....	....	51	134	427	794	399	238	100
13....	126	98	74	....	....	50	153	417	844	369	220	99
14....	132	99	68	....	....	52	144	414	746	348	211	92
15....	128	74	....	....	....	53	171	427	695	339	209	88
16....	123	85	....	....	....	55	220	452	640	354	209	87
17....	126	126	....	....	....	71	262	458	553	318	204	86
18....	119	111	....	....	....	66	282	483	545	300	196	83
19....	118	87	....	....	....	66	369	486	511	303	185	82
20....	120	54	....	....	....	57	378	557	476	288	179	80
21....	116	86	....	....	....	66	476	685	455	303	185	80
22....	119	86	....	....	....	49	462	758	430	303	236	79
23....	120	111	....	....	....	72	553	942	424	309	224	77
24....	119	108	....	....	....	85	596	1090	427	300	220	76
25....	108	92	....	....	....	62	630	1160	424	294	216	77
26....	115	92	....	....	....	49	574	1140	414	279	212	79
27....	116	95	....	....	....	56	549	977	408	248	209	81
28....	111	85	....	....	....	53	511	830	402	255	206	76
29....	120	86	....	....	....	56	522	716	393	294	203	75
30....	111	80	....	....	....	47	533	812	396	285	200	74
31....	112	....	....	....	....	59	....	1010	....	252	198	....
Total	3705	2868	....	....	....	1566	8593	20001	21967	10722	7149	3159
Mean.	120	95.6	48	31	28	50.5	286	645	732	346	231	105
Max..	175	126	....	....	....	85	630	1160	1260	452	342	187
Min..	103	54	....	....	....	28	56	414	393	248	179	74
Acre-ft.	7380	5690	2950	1910	1560	3110	17000	39700	43600	21300	14200	6250

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at South Platte for Year Ending Sept. 30, 1925.
Drainage Area, 2,610 Square Miles. Altitude, 6,097 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	106	181	158	....	....	110	131	255	450	358	243	502
2....	131	181	158	....	....	110	138	261	462	332	217	486
3....	138	170	158	....	....	110	148	268	524	346	214	478
4....	133	165	140	....	....	110	120	264	524	370	264	470
5....	133	165	150	....	....	110	118	258	370	382	434	450
6....	131	162	165	....	....	110	110	264	378	430	519	450
7....	129	145	160	....	....	110	116	298	398	474	502	486
8....	162	125	150	....	....	110	112	336	374	474	462	450
9....	150	136	160	....	....	110	108	362	362	422	422	454
10....	178	152	150	....	....	110	129	386	490	358	454	458
11....	650	152	162	....	....	100	127	402	672	494	502	442
12....	555	125	160	....	....	100	140	418	676	434	546	418
13....	312	133	160	....	....	100	189	434	654	343	564	386
14....	258	158	160	....	....	100	189	442	636	312	537	358
15....	252	173	160	....	....	100	264	442	370	304	486	340
16....	240	184	160	....	....	100	294	422	315	274	438	326
17....	226	189	160	....	....	108	315	410	378	255	374	329
18....	220	181	160	....	....	105	326	402	336	232	350	343
19....	232	187	160	....	....	100	315	394	290	220	340	315
20....	237	160	160	....	....	96	287	378	301	243	442	304
21....	223	165	160	....	....	92	280	382	346	280	394	322
22....	261	168	150	....	....	92	301	386	354	482	382	298
23....	271	152	150	....	....	102	326	386	498	550	362	315
24....	255	120	150	....	....	108	315	390	546	627	390	332
25....	246	110	150	....	....	122	312	466	506	494	418	326
26....	240	150	150	....	....	112	301	474	414	382	490	362
27....	217	158	150	....	....	90	301	474	414	294	486	450
28....	203	173	150	....	....	96	261	486	370	234	600	454
29....	195	160	150	....	....	112	246	474	329	217	622	414
30....	189	145	150	....	....	125	246	446	370	220	591	374
31....	178	150	150	....	....	131	....	450	....	264	524	....
Total	7060	4725	4811	5208	4144	3291	6565	11910	13107	11101	13569	11892
Mean.	228	158	155	168	148	106	219	384	437	358	438	396
Max.	650	189	....	....	....	131	326	486	676	627	622	502
Min.	106	110	....	....	....	....	108	255	290	217	214	298
Acre-ft.	14000	9400	9530	10300	8220	6520	13000	23600	26000	22000	26900	23600

Discharge of South Platte River at South Platte for Year Ending Sept. 30, 1926.
Drainage Area, 2,610 Square Miles. Altitude, 6,097 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	334	155	124	....	....	110	92	760	2060	820	890	545
2....	298	161	121	....	....	110	96	755	2130	890	820	448
3....	286	170	121	....	....	110	108	760	2080	875	795	456
4....	286	162	102	....	....	110	120	750	2210	1010	572	492
5....	292	140	104	....	....	110	150	730	2220	1340	586	480
6....	370	112	....	....	....	110	179	830	2230	1390	730	373
7....	345	157	....	....	....	110	177	735	2300	1310	820	286
8....	317	135	....	....	....	110	232	720	2310	1190	918	241
9....	307	137	....	....	....	110	189	655	2250	1090	865	238
10....	301	142	....	....	....	110	166	640	2260	1120	835	226
11....	314	145	....	....	....	110	193	700	2080	1020	815	210
12....	331	152	....	....	....	110	202	670	1800	1020	670	212
13....	304	140	....	....	....	110	226	660	1820	984	630	210
14....	314	143	....	....	....	110	229	695	1860	940	620	200
15....	304	112	....	....	....	110	259	730	1670	840	665	190
16....	307	129	....	....	....	110	310	750	1620	805	581	180
17....	310	164	....	....	....	110	373	810	1400	755	518	171
18....	310	152	....	....	....	129	388	1040	1200	705	484	168
19....	314	135	....	....	....	122	464	1090	1180	620	472	166
20....	342	127	....	....	....	126	484	1130	1090	586	424	161
21....	348	129	....	....	....	124	660	1320	978	600	428	152
22....	352	126	....	....	....	106	690	1530	870	630	472	145
23....	359	150	....	....	....	122	795	1680	815	650	460	148
24....	356	145	....	....	....	148	745	1850	805	680	452	148
25....	342	138	....	....	....	114	695	2030	765	670	640	152
26....	338	130	....	....	....	97	700	2230	750	660	615	155
27....	289	127	....	....	....	97	785	2180	745	595	581	157
28....	253	121	....	....	....	95	770	2220	710	576	545	162
29....	212	124	....	....	....	97	775	2220	710	885	568	175
30....	164	118	....	....	....	92	780	1870	760	918	670	164
31....	157	....	....	....	....	97	....	1880	....	945	740	....
Total	9456	4208	2387	2046	2100	3426	12032	36620	45648	27129	19881	7211
Mean.	305	140	77	66	75	111	401	1180	1520	875	641	240
Max.	370	170	....	....	....	148	795	2230	2310	1390	918	545
Min.	157	112	....	....	....	92	92	640	710	576	424	145
Acre-ft.	18800	8230	4740	4060	4160	6820	23900	72600	90400	53800	39400	14300

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Waterton for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	485	1420	298	288	244
2....	506	1550	502	216	199
3....	533	1470	442	208	212
4....	560	1700	442	230	262
5....	527	1700	1010	304	262
6....	632	1670	1470	389	167
7....	535	1900	1080	569	89
8....	502	1950	613	527	68
9....	502	2010	449	370	58
10....	428	1720	510	272	45
11....	472	1580	577	359	40
12....	552	1360	669	163	45
13....	464	1400	464	52	40
14....	487	1490	408	115	41
15....	552	1470	336	353	45
16....	569	1190	304	359	48
17....	622	896	248	320	62
18....	1020	825	174	293	68
19....	1020	884	105	260	60
20....	1020	708	73	240	55
21....	1100	518	100	225	55
22....	1080	428	239	221	53
23....	1160	402	389	216	48
24....	1290	396	383	208	44
25....	1380	309	389	187	50
26....	1530	272	359	115	52
27....	1770	216	320	77	48
28....	1980	182	304	47	53
29....	1770	174	389	53	60
30....	1420	216	331	115	53
31....	1300	....	348	203	....
Total	27768	32006	13725	7554	2626
Mean.	896	1070	443	244	87.5
Max.	1980	2010	1470	569	262
Min.	428	174	73	47	40
Acre-ft.	55100	63700	27200	15000	5210

**Discharge of South Platte River at Denver for Year Ending Sept. 30, 1925.
Drainage Area, 3,840 Square Miles. Altitude, 5,240 Feet Above Sea Level.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	95	205	135	230	205	95	58	53	259	114	135	298
2....	144	181	140	194	189	104	71	58	236	131	116	298
3....	135	176	149	205	184	126	71	62	259	133	112	332
4....	124	168	171	205	194	110	65	67	286	423	208	310
5....	124	158	166	202	194	100	60	71	236	326	256	323
6....	124	171	184	194	186	86	56	63	184	283	384	295
7....	124	168	214	194	194	78	56	60	236	304	409	326
8....	173	140	168	178	197	84	58	84	216	345	358	310
9....	173	110	168	158	173	81	53	151	205	320	259	295
10....	151	124	239	151	154	81	50	171	194	230	316	316
11....	202	144	244	151	151	68	44	197	233	197	457	332
12....	464	144	247	151	163	70	33	184	228	256	643	313
13....	320	118	228	158	163	95	18	173	230	211	406	304
14....	189	124	208	163	154	83	20	186	230	126	268	298
15....	158	144	194	158	144	93	15	176	253	126	194	277
16....	200	154	184	166	131	82	42	176	181	120	230	268
17....	189	156	158	163	122	79	62	205	173	102	233	253
18....	173	161	122	168	135	79	133	194	219	84	265	253
19....	173	156	100	184	146	79	118	181	189	79	471	253
20....	181	158	91	186	146	78	118	163	156	106	454	219
21....	184	151	79	178	158	74	95	146	129	124	474	222
22....	173	144	81	184	120	58	65	149	168	228	326	244
23....	222	142	82	194	114	58	78	146	151	374	320	242
24....	228	135	84	197	98	63	89	176	256	390	259	228
25....	222	108	149	208	106	81	79	214	268	358	286	181
26....	230	110	216	191	95	78	84	274	208	214	295	197
27....	239	135	216	171	91	81	79	268	176	154	332	189
28....	216	146	211	197	93	64	74	286	173	133	289	191
29....	222	166	230	214	....	56	59	295	129	259	387	168
30....	236	161	211	214	....	60	53	280	129	416	413	163
31....	236	....	236	214	....	56	....	259	....	171	440	....
Total	6024	4458	5305	5721	4200	2485	1956	5168	6190	6837	9995	7898
Mean.	194	149	171	185	150	80.2	65.2	167	206	221	322	263
Max.	464	205	247	230	205	126	133	295	286	416	643	332
Min.	95	108	79	151	91	56	15	53	129	79	112	163
Acre-ft.	11900	8870	10500	11400	8330	4930	3880	10300	12300	13600	19800	15600

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Denver for Year Ending Sept. 30, 1926.
Drainage Area, 3,840 Square Miles. Altitude, 5,240 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	166	226	112	118	98	99	206	1360	1620	298	448	298
2....	184	219	108	94	103	120	197	1380	1670	448	362	324
3....	230	223	124	118	101	150	216	1330	1680	810	287	366
4....	216	223	103	103	114	168	247	1340	1740	698	284	578
5....	258	174	116	88	137	166	223	1300	1720	1070	358	448
6....	288	142	132	94	135	184	277	1370	1670	2010	395	391
7....	258	153	190	81	130	128	384	1390	1760	1690	623	274
8....	155	155	161	86	200	110	471	1190	1830	1230	798	197
9....	116	142	122	88	171	120	499	1110	1800	1150	670	187
10....	108	140	150	84	150	150	434	975	1740	1840	578	175
11....	101	148	155	83	161	197	434	1030	1620	1410	588	140
12....	94	150	155	90	155	158	505	1170	1500	1470	492	144
13....	110	161	166	90	150	163	558	1070	1730	975	317	135
14....	142	168	107	95	126	176	558	1140	1730	792	245	120
15....	132	148	112	100	91	176	505	1200	1670	692	424	124
16....	128	142	107	107	98	174	613	1230	1560	649	530	120
17....	171	216	108	107	103	176	715	1280	1350	554	474	140
18....	163	230	128	107	98	187	914	1700	1190	428	428	154
19....	126	166	132	84	91	233	1140	1710	1230	355	379	137
20....	145	132	137	83	112	223	1420	1590	1060	271	343	144
21....	130	122	96	80	137	226	2370	1610	836	245	309	135
22....	101	163	99	73	103	233	2910	1650	681	277	313	124
23....	107	184	107	75	103	216	2500	1680	569	569	332	119
24....	116	181	116	103	92	230	2120	1780	569	613	309	131
25....	107	166	114	98	94	261	1690	1800	483	623	317	175
26....	110	132	132	96	86	226	1540	1760	408	583	248	189
27....	126	150	118	103	91	219	1680	2010	339	502	194	197
28....	126	135	86	98	91	200	1560	2010	309	461	160	189
29....	124	124	84	99	....	190	1400	1950	328	545	137	194
30....	128	132	94	108	....	171	1370	1760	305	506	140	189
31....	203	....	103	94	....	210	....	1630	....	511	252	....
Total	4669	4947	3774	2927	3321	5640	29656	45505	36697	24275	11734	6238
Mean.	151	165	122	94.4	119	182	989	1470	1220	783	379	205
Max.	288	230	190	118	200	261	2910	2010	1830	2010	798	578
Min.	94	122	84	73	86	99	197	975	305	245	137	119
Acre-ft.	9280	9820	7500	5800	6610	11200	58800	90400	72600	48100	23300	12400

Discharge of South Platte River at Henderson for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	1790	1640	437	339	191
2....	1750	1820	503	292	224
3....	1630	1740	846	233	186
4....	1600	1780	1050	233	448
5....	1610	1920	1250	282	470
6....	1700	1890	1950	453	348
7....	1620	2210	1860	663	220
8....	1360	2540	1290	725	238
9....	1260	2670	1050	602	171
10....	919	2210	2090	464	120
11....	1130	1900	1580	596	104
12....	1520	1650	1550	432	96
13....	1340	2170	1520	292	66
14....	1260	2980	846	224	72
15....	1250	2660	794	273	56
16....	1390	2620	532	421	54
17....	1250	2140	453	464	49
18....	1770	1890	486	394	61
19....	1620	1620	442	353	77
20....	1730	1250	329	301	72
21....	4830	981	292	242	72
22....	1940	650	297	238	72
23....	2090	549	453	273	61
24....	2130	432	561	233	61
25....	2030	442	543	203	82
26....	1890	453	486	171	93
27....	2170	572	475	123	104
28....	2290	481	448	104	126
29....	2040	486	481	90	129
30....	4820	537	475	66	153
31....	1680	....	394	107	....
Total	54719	46883	25763	9886	4276
Mean.	1670	1560	831	319	143
Max.	2290	2980	2090	725	470
Min.	919	432	292	66	49
Acre-ft.	103000	92800	51100	19600	8510

(Unless otherwise noted, all discharges are in cubic feet per second.)

Discharge of South Platte River at Kersey for Year Ending Sept. 30, 1925.
Drainage Area..... Square Miles. Altitude 4,612 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	407	499	510	477	711	472	340	64	67	94	626	111
2....	448	499	510	477	711	445	331	59	67	97	365	107
3....	513	493	515	461	711	440	336	56	70	100	251	111
4....	536	488	526	461	711	440	326	50	76	100	169	133
5....	520	493	532	461	711	450	307	53	88	100	145	137
6....	513	499	554	450	705	450	298	53	88	91	130	122
7....	498	499	572	450	699	450	302	64	126	82	118	126
8....	498	488	532	450	692	450	298	73	153	76	104	107
9....	506	482	510	440	730	435	285	79	126	85	104	107
10....	506	488	504	440	656	420	270	88	122	85	157	107
11....	513	482	521	440	620	410	263	94	126	88	370	111
12....	484	482	566	440	608	405	217	100	141	97	450	122
13....	441	482	584	440	614	430	189	94	153	111	817	149
14....	513	499	602	440	578	445	177	100	165	111	981	193
15....	428	488	596	440	549	450	177	104	181	104	756	209
16....	434	488	578	425	532	450	161	100	1040	104	515	213
17....	484	488	578	430	526	445	126	88	773	115	435	209
18....	513	488	608	420	510	435	100	94	450	115	312	209
19....	506	482	425	400	515	430	100	79	316	122	251	193
20....	513	488	450	410	526	425	88	70	268	118	185	173
21....	528	482	450	450	521	420	88	67	213	100	153	181
22....	538	482	450	482	521	410	67	64	225	380	169	185
23....	549	488	466	515	515	400	62	62	201	293	145	189
24....	515	482	466	560	504	390	64	62	259	201	133	205
25....	515	472	461	680	493	400	67	64	193	173	145	209
26....	504	461	476	680	488	390	64	59	130	153	153	209
27....	504	472	477	680	482	385	64	62	130	137	145	189
28....	504	493	477	680	482	385	64	56	111	141	130	185
29....	499	504	488	742	....	370	62	64	107	153	122	177
30....	510	504	482	705	....	350	64	67	100	302	122	181
31....	504	....	472	730	....	340	....	70	....	830	115	....
Total	15444	14635	15938	15756	16621	13017	5357	2259	6265	4858	8773	4859
Mean.	498	488	514	508	594	420	179	72.9	209	157	283	162
Max..	549	504	608	....	....	472	340	104	1040	830	981	213
Min..	407	461	525	....	482	340	62	50	67	76	104	107
Acre-ft	30600	29000	31600	31200	33000	25800	10700	4480	12400	9650	17400	9640

Discharge of South Platte River at Kersey for Year Ending Sept. 30, 1926.
Drainage Area..... Square Miles. Altitude 4,612 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	169	796	672	556	506	420	524	4820	2440	248	338	147
2....	166	780	680	582	506	409	543	4720	2480	252	302	144
3....	160	796	672	602	536	415	569	4640	2750	276	272	156
4....	160	828	651	589	536	420	582	4560	2710	518	268	186
5....	153	828	658	562	576	420	589	4030	2670	1400	268	268
6....	214	828	658	549	623	420	672	3780	2710	2670	252	294
7....	329	780	665	543	680	409	718	4300	3220	2790	256	285
8....	426	718	665	556	756	404	740	4130	4690	2650	244	260
9....	420	710	658	562	812	398	853	3800	5110	2260	280	248
10....	409	695	658	549	812	398	965	3160	4820	2040	260	240
11....	409	680	651	536	804	404	1020	2480	4200	2930	218	222
12....	426	672	658	494	756	409	1010	2630	3710	2540	183	211
13....	506	680	672	470	710	409	965	2730	3800	2240	169	193
14....	672	695	623	494	616	409	912	2410	5890	2040	180	186
15....	741	680	524	500	562	415	982	2200	7290	1380	173	180
16....	772	672	524	524	536	393	904	2080	6610	1160	173	163
17....	772	672	543	512	530	398	887	2040	6440	974	166	173
18....	796	687	582	500	536	420	1040	2010	5400	710	166	186
19....	820	702	637	488	530	459	1360	2240	4900	609	153	204
20....	836	710	672	476	524	476	1760	2290	4560	506	147	207
21....	796	695	630	470	536	494	2370	2040	4230	437	150	200
22....	772	672	582	470	524	518	6380	2220	3350	366	153	190
23....	748	665	562	448	500	512	9020	2440	2190	316	150	183
24....	804	672	589	442	494	506	8090	2480	1260	307	147	176
25....	828	680	623	500	482	488	6710	2420	722	325	140	186
26....	804	702	644	512	459	500	5670	2110	562	320	140	214
27....	772	725	630	488	448	524	5170	2040	442	289	147	232
28....	756	710	589	470	437	536	5430	2620	420	272	150	244
29....	748	672	556	465	....	530	5220	3200	393	256	160	252
30....	756	665	543	512	....	518	4920	2520	311	298	160	264
31....	788	....	543	500	....	518	....	2370	....	361	156	....
Total	17928	21467	19214	15921	16327	13949	76575	91510	100330	33740	6121	6294
Mean.	578	716	620	514	583	450	2550	2950	3340	1090	197	210
Max..	836	828	680	602	812	536	9020	4820	7290	2930	338	294
Min..	153	665	524	442	437	393	524	2020	311	248	140	144
Acre-ft	35500	42600	38100	31600	32400	27700	152000	181000	199000	67000	12100	12500

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Sublette for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....							74	3490	2020	542	570	273
2.....							98	3400	2160	507	509	259
3.....						377	173	3490	2270	512	431	264
4.....							208	3380	2300	624	424	322
5.....							225	2900	2140	1180	355	460
6.....							254	2400	1970	2250	362	608
7.....							330	2610	2130	2610	395	665
8.....						154	368	3190	3150	2590	375	636
9.....						148	431	2960	4400	2490	395	526
10.....						117	537	2530	4530	2340	417	485
11.....						84	575	1860	4080	2840	460	453
12.....						81	552	1560	3450	2980	375	362
13.....						78	532	1850	3300	2400	322	284
14.....						76	478	1700	4080	2290	311	279
15.....						73	445	1610	6730	1700	300	268
16.....						70	426	1640	7280	1060	290	279
17.....						68	322	1740	7000	810	284	279
18.....						66	314	1760	6330	732	268	300
19.....				422		64	426	1840	5230	684	259	306
20.....				417		62	638	1980	4640	694	259	348
21.....				408		64	1260	1780	4100	608	273	381
22.....				395		66	2590	1680	3490	517	273	381
23.....				390		69	7180	1760	2300	485	290	348
24.....				373		71	7940	1790	1220	476	306	322
25.....				351		74	6590	1700	744	526	284	335
26.....				322		78	5110	1420	680	570	264	355
27.....				314		78	3760	1220	680	570	259	431
28.....				306		81	3650	1330	569	551	259	485
29.....						78	3910	2300	610	526	259	493
30.....						83	3510	2270	638	509	264	509
31.....						83		1940		589	268	
Total.....							52906	67080	94221	37762	10360	11696
Mean.....							1760	2160	3140	1220	334	390
Max.....							7940	3490	7280	2980	570	665
Min.....							74	1220	569	476	259	259
Acre-ft.....							105000	133000	187000	75000	20500	23200

Discharge of South Platte River at Balzac for Year Ending Sept. 30, 1925.
Drainage Area..... Square Miles. Altitude 4,090 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	60	26	20	27	241	136	29	195	102	100	352	123
2.....	54	24	20	30	241	116	56	186	97	113	105	110
3.....	34	22	20	32	240	73	64	174	92	100	64	113
4.....	39	20	24	35	240	46	34	174	87	110	132	120
5.....	44	21	26	29	240	46	31	170	84	116	222	116
6.....	46	23	22	28	240	46	30	154	89	139	236	107
7.....	44	22	25	28	240	44	29	142	217	154	271	110
8.....	42	21	66	28	240	40	32	136	208	120	226	142
9.....	42	22	42	28	240	35	60	126	120	94	142	142
10.....	38	22	42	28	240	32	60	120	107	94	132	126
11.....	36	21	40	28	240	25	56	132	132	116	347	102
12.....	29	20	38	266	250	25	54	129	142	110	110	120
13.....	29	21	34	256	250	28	37	126	132	105	46	162
14.....	28	22	26	251	250	27	60	120	107	120	452	170
15.....	27	20	23	251	250	35	170	107	120	123	246	174
16.....	28	20	21	236	250	32	162	105	113	105	75	178
17.....	28	25	28	208	260	31	142	110	110	84	44	146
18.....	54	25	26	204	260	29	142	105	170	129	50	142
19.....	32	24	26	208	260	29	146	94	162	113	158	142
20.....	28	24	26	226	260	30	120	89	110	136	191	146
21.....	27	23	26	226	260	30	102	92	129	126	150	162
22.....	26	23	26	230	260	28	89	94	113	120	129	178
23.....	26	23	26	230	276	26	89	92	142	132	126	156
24.....	26	20	27	240	276	25	120	89	154	132	120	139
25.....	20	20	27	240	276	26	142	136	132	158	113	120
26.....	23	21	27	240	251	26	186	146	113	150	87	89
27.....	38	20	27	260	217	28	170	208	116	136	73	50
28.....	30	21	27	284	174	30	170	213	126	158	92	54
29.....	21	21	27	286		32	186	150	120	158	107	73
30.....	25	21	27	275		35	191	129	116	146	120	73
31.....	26		27	270		30		116		628	126	
Total.....	1053	658	889	5208	6922	1221	2959	4159	3762	4325	4844	3785
Mean.....	34.0	21.9	28.7	168	247	39.4	98.6	134	125	140	156	126
Max.....	60	26	66			136	191	213	217	628	452	178
Min.....	20	20	20	27	174	25	29	89	84	84	44	50
Acre-ft.....	2030	1300	1760	10300	13700	2420	5870	8240	7440	8610	9590	7500

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Balzac for Year Ending Sept. 30, 1926.
Drainage Area..... Square Miles. Altitude 4,090 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	74	15	16	26	18	158	16	1730	1190	200	152	99
2....	72	9	15	19	17	80	17	1780	1240	172	143	99
3....	72	15	15	17	19	45	17	1700	1110	180	109	106
4....	72	16	16	18	17	36	16	1560	1050	200	101	131
5....	76	16	16	27	29	33	17	1510	1100	249	92	146
6....	82	16	16	36	28	38	17	1400	968	690	82	171
7....	106	16	15	42	26	27	18	1860	778	1610	82	191
8....	104	16	13	26	23	26	18	2270	814	2420	101	213
9....	104	16	13	36	22	24	19	2620	1800	1910	123	202
10....	99	16	13	23	22	23	19	2400	3080	1640	146	184
11....	74	16	13	22	46	22	20	2140	3280	2460	198	171
12....	109	16	14	30	48	21	25	1430	2890	2200	174	146
13....	171	16	17	19	48	20	21	996	2520	2310	152	131
14....	161	16	20	18	146	16	21	1100	2350	1730	146	112
15....	106	16	24	19	262	16	20	1080	3190	1380	140	92
16....	92	16	30	19	310	17	21	996	5730	828	120	72
17....	99	15	40	20	310	16	21	968	6030	464	109	72
18....	112	13	24	17	271	16	56	940	5700	271	96	104
19....	104	13	40	23	267	16	33	954	5080	174	89	123
20....	97	14	38	22	267	18	92	982	4430	84	84	140
21....	90	14	36	22	240	19	104	996	3860	161	82	146
22....	82	16	50	24	249	19	191	842	3230	174	78	134
23....	74	15	46	28	280	17	536	723	2580	146	87	126
24....	68	13	31	35	258	16	3740	701	1560	195	80	117
25....	60	13	29	30	213	16	4870	560	800	213	74	117
26....	19	14	27	34	195	16	4290	424	580	181	82	128
27....	19	16	25	38	188	19	3080	405	320	155	80	149
28....	19	16	32	22	178	18	2230	412	260	152	80	164
29....	18	17	26	19	....	18	2000	369	240	137	87	181
30....	17	16	46	19	....	16	2000	1010	240	137	89	184
31....	16	....	59	19	....	16	....	1380	....	146	80	....
Total	2468	452	815	769	3997	858	23545	38238	68000	22969	3338	4151
Mean.	79.6	15.1	26.3	24.8	143	27.7	785	1230	2270	741	108	138
Max..	171	17	59	42	310	158	4870	2620	6030	2460	198	213
Min..	16	9	13	17	17	16	16	369	....	84	74	72
Acre-ft.	4890	898	1620	1520	7940	1700	46700	75600	135000	45600	6640	8210

Discharge of South Platte River at Julesburg for Year Ending Sept. 30, 1925.
Drainage Area..... Square Miles. Altitude 3,469 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	264	362	407	....	....	490	175	57	28	18	22	22
2....	327	376	375	....	....	490	175	57	28	19	24	21
3....	284	378	370	....	....	490	175	57	28	20	22	20
4....	254	376	359	....	....	490	175	57	28	22	22	22
5....	237	374	407	....	....	490	175	57	28	22	22	23
6....	215	365	401	....	....	450	200	32	50	22	22	23
7....	218	357	401	....	....	450	200	32	220	22	22	24
8....	237	359	351	....	....	450	200	32	190	20	22	23
9....	256	387	354	....	....	450	160	32	90	19	22	23
10....	224	381	300	....	....	450	160	32	65	19	22	21
11....	210	375	300	....	....	400	140	38	55	20	22	21
12....	225	379	300	....	....	400	140	38	50	20	23	20
13....	211	379	300	....	....	400	120	38	45	20	24	21
14....	192	383	300	....	....	400	100	38	45	20	25	68
15....	190	384	300	....	....	400	83	38	25	20	25	58
16....	170	387	300	....	....	400	83	30	23	20	25	47
17....	169	387	300	....	....	400	95	30	25	20	25	44
18....	171	390	300	....	....	400	95	30	23	20	23	40
19....	154	394	300	....	....	400	95	30	23	26	21	44
20....	199	394	300	....	....	400	95	30	21	26	24	44
21....	411	404	310	....	....	350	80	30	33	26	26	44
22....	435	404	310	....	....	350	75	30	30	26	28	46
23....	408	401	310	....	....	330	70	30	30	25	28	46
24....	411	320	310	....	....	330	60	30	27	25	32	46
25....	414	351	310	....	....	300	55	30	27	24	35	38
26....	388	366	320	....	....	300	50	22	27	24	35	38
27....	375	374	320	....	....	280	50	22	25	26	26	32
28....	371	394	320	....	....	280	50	22	25	32	26	36
29....	354	404	320	....	....	240	50	22	23	39	26	33
30....	357	404	320	....	....	240	50	22	23	37	26	32
31....	364	....	320	....	....	180	....	22	....	37	22	....
Total	8695	11389	10195	....	....	11880	3431	1067	1360	736	762	1014
Mean.	280	380	329	340	580	383	114	34.4	453	23.7	24.6	33.8
Max..	435	404	....	....	....	....	....	....	....	39	35	68
Min..	154	320	....	....	....	....	....	....	....	18	22	20
Acre-ft	17200	22600	20200	20900	32200	23600	6780	2120	2700	1460	1510	2010

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Julesburg for Year Ending Sept. 30, 1926.
Drainage Area..... Square Miles. Altitude 3,469 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	42	434	350	454	527	374	194	1260	467	191	49	37
2....	39	438	359	465	492	364	189	1140	915	166	45	39
3....	39	431	358	462	467	343	203	1080	795	172	42	61
4....	39	346	332	475	414	319	202	1080	756	161	42	68
5....	47	198	364	486	405	305	175	1030	680	151	38	62
6....	54	261	362	478	402	302	164	1060	599	452	37	58
7....	69	305	343	426	407	338	153	1600	609	342	38	54
8....	88	330	342	419	418	330	145	1830	583	291	37	51
9....	96	370	342	429	415	306	170	2130	460	916	38	49
10....	96	376	340	439	381	321	179	2340	371	1770	48	53
11....	96	371	340	444	346	281	189	2470	574	1680	260	57
12....	108	364	340	399	423	261	231	2390	1530	1610	198	64
13....	121	358	347	397	492	251	182	2160	1920	2030	431	100
14....	121	344	349	479	488	247	147	1790	2040	2120	336	135
15....	119	338	350	481	462	278	126	1510	2040	2120	282	154
16....	121	334	372	507	446	307	92	1370	2090	1770	218	136
17....	122	328	378	491	434	291	77	1310	3110	1480	169	138
18....	123	333	402	491	469	281	66	1230	5060	1140	144	133
19....	122	333	404	480	547	256	58	1200	5400	691	107	137
20....	123	333	431	458	654	228	54	1170	5300	441	84	152
21....	128	322	445	407	680	237	57	1120	4470	261	77	144
22....	133	321	447	362	605	224	58	1090	4070	150	76	136
23....	136	304	451	555	586	215	65	1050	3460	105	152	130
24....	142	299	453	616	571	204	61	949	3010	85	129	123
25....	143	298	474	620	564	209	59	795	2500	61	76	123
26....	153	301	493	572	449	198	768	577	1750	78	58	130
27....	159	308	481	640	473	194	2910	474	1210	65	54	139
28....	159	325	458	631	417	167	2280	421	767	61	49	150
29....	152	337	433	640	....	199	1820	382	510	61	46	161
30....	163	335	391	662	....	204	1490	368	314	56	45	168
31....	365	....	402	611	....	223	....	385	....	51	44	....
Total	3618	10075	12133	15476	13384	8357	12564	38761	57360	20728	3449	3142
Mean.	117	336	391	499	478	270	419	1250	1910	669	111	105
Max..	365	438	....	....	654	374	2910	2470	5400	2120	431	168
Min..	39	198	....	....	346	167	54	368	314	51	37	37
Acre-ft.	7190	20000	24000	30700	26500	16600	24900	76900	114000	41100	6820	6250

Discharge of Tarryall Creek near Lake George for Year Ending Sept. 30, 1925.
Drainage Area 460 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	37	15	109	24	33	197
2....	29	14	94	22	22	111
3....	31	16	86	21	15	61
4....	38	12	81	62	15	62
5....	45	17	75	111	31	60
6....	47	17	72	62	43	59
7....	49	33	70	38	28	74
8....	42	22	74	31	21	104
9....	33	23	66	24	39	67
10....	36	23	52	22	90	56
11....	33	29	42	17	67	53
12....	38	41	30	15	62	52
13....	36	50	30	14	47	60
14....	32	31	38	12	45	62
15....	32	25	33	12	31	66
16....	26	32	24	9	24	57
17....	27	37	22	10	19	49
18....	14	44	15	9	19	45
19....	19	44	14	7	22	45
20....	23	40	12	6	50	45
21....	19	42	42	14	113	43
22....	18	48	89	72	83	44
23....	19	53	64	50	59	44
24....	25	19	55	49	23	87	44
25....	13	65	36	22	121	44
26....	18	85	31	20	170	44
27....	15	81	31	19	231	44
28....	14	71	23	20	155	44
29....	12	81	26	19	121	44
30....	12	53	30	22	85	44
31....	89	....	11	71	....
Total	826	1288	1460	850	2019	1824
Mean.	27.5	41.5	48.7	27.4	65.1	60.8
Max..	49	89	109	111	231	197
Min..	12	12	12	6	15	43
Acre-ft.	1640	2550	2900	1680	4000	3620

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Tarryall Creek near Lake George for Year Ending Sept. 30, 1926.
Drainage Area 460 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	45								225	170	51	31
2....										172	49	27
3....										178	68	27
4....										267	107	35
5....										390	140	42
6....		30								313	203	38
7....										253	160	31
8....										200	133	27
9....										190	129	24
10....										285	121	23
11....										253	95	22
12....										251	86	22
13....										192	85	22
14....										143	89	22
15....										154	82	22
16....										147	72	20
17....										99	68	18
18....										76	66	21
19....										96	62	20
20....										92	58	19
21....									128	89	54	18
22....							202		122	73	49	18
23....									115	84	51	18
24....									106	76	50	18
25....									103	72	44	18
26....									109	68	38	18
27....									104	65	36	20
28....									102	90	35	25
29....									128	108	35	25
30....									156	81	35	22
31....										61	35	....
Total										4788	2386	713
Mean.	60	30					130	170	180	154	77.0	23.8
Max..										390	203	42
Min..										61	35	18
Acre-ft.	3690	1790					7740	10500	11900	9470	4730	1420

Discharge of Goose Creek at Lake Cheesman for Year Ending Sept. 30, 1925.
Drainage Area 86 Square Miles. Altitude 6,835 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	8	11	9	4	2	5	16	9	10	11	21	36
2....	12	12	10	4	2	5	16	9	9	10	21	36
3....	13	13	10	4	2	7	14	10	9	9	22	35
4....	13	14	10	3	2	9	14	10	8	19	32	43
5....	12	14	8	3	2	10	15	10	8	19	41	40
6....	12	13	9	2	3	11	16	10	8	21	48	39
7....	12	10	8	2	3	12	14	10	9	13	42	71
8....	14	10	8	2	3	12	12	10	9	10	45	48
9....	14	10	7	2	3	12	11	12	9	13	39	38
10....	12	10	7	2	3	14	12	12	8	10	66	35
11....	12	12	9	2	4	12	11	12	8	9	81	34
12....	20	12	9	2	3	14	13	13	7	8	63	33
13....	18	11	8	2	3	15	12	14	7	9	55	31
14....	16	13	8	2	2	12	18	13	7	8	53	34
15....	17	13	8	2	3	13	22	13	7	7	48	32
16....	18	14	8	2	3	13	24	12	6	7	44	29
17....	17	16	8	2	3	15	24	12	6	8	42	27
18....	18	16	7	2	3	12	15	13	6	11	39	26
19....	18	17	4	2	3	12	10	14	8	10	38	26
20....	20	17	4	2	3	12	12	12	8	9	61	24
21....	17	17	4	2	3	12	12	11	8	24	78	23
22....	15	16	4	2	4	15	14	10	17	39	54	23
23....	15	15	4	2	4	15	13	9	10	47	45	27
24....	13	12	5	2	4	17	10	9	9	30	41	32
25....	13	11	5	2	4	16	10	9	8	23	43	32
26....	13	7	5	2	4	16	11	9	8	17	56	31
27....	13	10	5	2	5	16	11	9	7	16	49	27
28....	12	10	5	2	5	14	11	9	7	14	47	23
29....	12	10	6	3	....	13	9	10	7	13	43	20
30....	12	9	3	3	....	14	10	12	8	16	39	19
31....	12	....	3	3	....	16	....	11	....	22	38	....
Total	443	375	208	73	88	390	412	338	246	482	1434	974
Mean.	14.3	12.5	6.71	2.35	3.14	12.6	13.7	10.9	8.20	15.5	46.3	32.5
Max..	20	17	10	4	5	17	24	14	17	47	81	71
Min..	8	7	3	2	2	5	9	9	6	7	21	19
Acre-ft.	879	744	413	144	174	775	815	670	488	953	2850	1930

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Goose Creek at Lake Cheesman for Year Ending Sept. 30, 1926.
Drainage Area 86 Square Miles. Altitude 6,835 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	19	19	14	8	7	9	13	112	278	88	28	16
2....	18	20	15	8	7	10	12	111	285	67	25	14
3....	18	20	13	8	5	10	15	122	285	65	25	14
4....	17	22	10	8	5	11	16	143	270	98	29	17
5....	17	20	13	8	5	11	20	149	259	86	36	24
6....	31	12	13	8	6	11	21	175	244	125	52	20
7....	30	14	14	8	6	10	22	148	226	101	69	15
8....	22	14	10	8	6	11	26	127	210	77	42	13
9....	20	12	10	8	7	10	30	109	191	71	33	12
10....	19	14	10	8	8	11	24	96	177	68	36	12
11....	21	12	10	8	8	11	28	114	159	68	38	12
12....	28	14	12	8	7	10	30	106	146	59	33	13
13....	25	16	10	8	7	10	30	101	154	55	30	14
14....	23	14	9	8	8	11	30	95	173	52	31	12
15....	25	9	8	8	7	12	31	116	131	52	35	12
16....	27	9	10	8	8	12	31	136	117	64	28	12
17....	26	10	11	6	8	14	32	154	111	53	26	12
18....	25	12	9	7	8	13	34	166	119	44	25	11
19....	25	12	10	6	8	14	63	169	104	52	24	11
20....	25	10	10	6	8	13	68	199	92	39	23	10
21....	22	10	9	6	8	14	73	242	79	38	21	9
22....	21	12	8	6	8	11	74	281	74	40	21	9
23....	22	12	8	6	8	14	90	304	68	36	21	9
24....	23	14	8	5	9	15	88	332	63	37	23	8
25....	19	14	7	6	9	12	87	352	62	41	20	8
26....	18	14	7	6	9	11	87	359	59	38	17	9
27....	15	15	7	6	8	12	101	360	56	34	17	11
28....	18	14	7	6	9	11	94	337	54	33	16	13
29....	19	13	8	6	....	10	98	308	55	38	16	12
30....	18	13	8	7	....	10	106	286	56	42	17	11
31....	19	....	8	7	....	13	....	276	....	36	18	....
Total	676	416	306	220	207	357	1474	6085	4357	1797	875	375
Mean.	21.8	13.9	9.87	7.10	7.39	11.5	49.1	196	145	58.0	28.2	12.5
Max..	31	22	15	8	9	15	106	360	285	125	69	24
Min..	15	9	7	5	5	9	12	95	54	33	16	8
Acres-ft.	1340	827	607	437	410	707	2920	12100	8630	3570	1730	744

Discharge of Bear Creek at Starbuck for Year Ending Sept. 30, 1925.
Drainage Area 111 Square Miles. Altitude 6,400 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	20	32	20	....	18	20	17	14	20	49	29	64
2....	29	28	....	....	....	21	16	14	18	28	25	60
3....	30	30	....	....	....	22	20	13	17	41	28	57
4....	30	30	....	....	....	19	18	12	16	57	36	90
5....	28	33	....	....	....	18	17	11	15	51	52	80
6....	28	38	....	....	....	17	16	12	16	41	52	96
7....	28	22	....	....	....	17	15	12	29	36	38	122
8....	74	29	....	....	....	18	18	14	20	27	33	116
9....	52	29	....	....	....	12	17	14	17	26	30	109
10....	37	21	....	....	....	6	17	13	15	23	38	101
11....	33	28	....	....	....	15	17	16	17	21	46	101
12....	28	29	....	8	....	20	16	16	16	19	54	98
13....	24	19	....	....	....	13	16	16	19	16	50	101
14....	28	16	....	....	....	14	16	17	19	13	46	88
15....	30	19	....	....	13	14	18	19	20	12	36	76
16....	36	22	....	....	13	10	18	19	20	13	31	68
17....	33	19	....	....	13	10	18	19	21	12	27	64
18....	27	22	....	....	12	10	19	16	31	12	26	62
19....	28	20	....	....	12	12	19	14	33	12	28	60
20....	44	19	....	....	12	12	17	14	34	22	37	57
21....	41	19	....	....	12	14	17	16	47	47	41	58
22....	40	19	17	....	10	12	17	16	49	34	31	54
23....	36	14	....	....	15	12	16	16	37	27	27	85
24....	31	12	....	....	12	12	15	21	36	19	30	74
25....	30	17	....	....	18	11	14	20	31	18	37	74
26....	30	19	....	....	16	14	15	20	31	15	64	74
27....	31	19	....	....	17	14	14	20	27	13	54	72
28....	36	22	....	....	11	18	14	20	22	15	54	74
29....	33	20	....	....	....	17	12	20	20	23	49	66
30....	40	20	....	18	....	18	12	20	28	28	106	60
31....	36	....	....	....	....	12	....	20	....	30	74	....
Total	1051	686	....	....	....	454	491	504	741	803	1309	2361
Mean.	33.9	22.9	18	14	15	14.6	16.4	16.3	24.7	25.9	42.2	78.7
Max..	74	38	....	....	....	22	20	21	49	57	106	122
Min..	20	12	....	....	....	6	12	11	15	12	25	54
Acres-ft.	2080	1360	1110	861	833	898	976	1000	1470	1590	2590	4680

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Bear Creek at Starbuck for Year Ending Sept. 30, 1926.
Drainage Area, 111 Square Miles. Altitude, 6,400 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	57	74	33	....	....	29	40	398	332	161	120	57
2....	57	70	35	....	....	31	41	423	332	161	102	65
3....	61	68	35	....	13	35	47	417	361	158	108	66
4....	54	65	27	....	....	33	47	404	326	151	114	66
5....	59	59	47	....	....	30	66	410	326	165	102	63
6....	108	74	51	....	....	23	83	423	326	236	99	51
7....	85	68	37	....	....	23	97	367	373	217	143	49
8....	85	61	41	....	....	27	94	361	392	173	169	52
9....	83	54	52	....	....	27	90	326	344	194	165	47
10....	83	61	41	....	....	26	88	315	304	266	158	46
11....	94	59	44	....	....	27	99	315	293	221	147	44
12....	92	63	39	....	....	26	108	315	298	203	126	44
13....	88	66	37	....	....	27	117	315	326	178	123	40
14....	94	63	35	....	....	21	120	315	287	182	123	35
15....	97	55	30	....	....	25	129	321	271	178	108	34
16....	92	66	30	22	....	25	165	326	260	173	92	33
17....	90	61	30	....	....	37	221	332	260	161	88	34
18....	94	51	30	....	....	39	255	338	241	190	85	33
19....	97	55	30	....	....	37	321	315	212	182	78	31
20....	102	55	30	....	....	36	332	332	203	173	70	29
21....	97	46	28	....	....	41	474	355	207	161	72	28
22....	92	51	28	....	....	33	480	350	190	147	70	29
23....	94	54	28	....	....	47	493	344	182	161	68	31
24....	97	51	28	....	....	46	429	355	182	182	70	29
25....	94	49	28	....	....	35	398	367	173	178	68	30
26....	97	41	25	....	....	40	392	386	165	169	68	30
27....	94	41	25	....	....	36	404	361	158	161	65	30
28....	92	39	25	....	....	26	386	332	161	169	65	30
29....	94	37	25	....	....	40	373	304	161	173	63	29
30....	88	35	25	....	....	39	392	344	165	169	61	30
31....	81	....	25	....	....	39	....	344	....	133	59	....
Total	2692	1692	1024	....	....	1006	6781	10910	7811	5526	3049	1215
Mean.	86.8	56.4	33.0	20	18	32.5	226	352	260	178	98.4	40.5
Max..	108	74	52	....	....	47	493	423	392	266	169	66
Min..	54	35	....	....	....	21	40	304	158	133	59	28
Acre-ft.	5340	3360	2030	1230	1000	2000	13400	21600	15500	10900	6050	2410

Discharge of Clear Creek Near Golden for Year Ending Sept. 30, 1925.
Drainage Area, 392 Square Miles. Altitude, 5,620 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	91	85	....	....	....	....	56	135	412	451	160	200
2....	108	84	....	....	....	....	57	150	359	479	150	190
3....	100	82	....	....	....	....	60	165	315	486	158	190
4....	95	82	....	....	....	....	55	158	284	444	171	210
5....	100	85	....	....	....	....	50	158	274	364	180	202
6....	90	85	....	....	56	....	59	160	332	326	162	208
7....	87	56	....	....	....	....	58	162	348	310	145	230
8....	145	69	....	....	....	....	56	174	270	306	145	195
9....	108	....	....	....	....	....	66	165	258	284	130	192
10....	100	....	....	....	....	....	67	171	288	279	128	202
11....	87	....	....	....	....	....	67	177	370	258	171	202
12....	82	....	....	....	....	....	69	165	354	216	177	206
13....	82	....	....	....	....	....	76	150	315	230	174	206
14....	93	....	....	....	....	....	84	171	306	238	162	223
15....	106	....	....	....	....	....	106	168	444	230	150	202
16....	111	....	....	....	....	....	132	162	528	223	140	177
17....	106	....	....	....	....	....	132	165	528	226	132	158
18....	108	....	....	....	....	....	142	186	521	220	128	158
19....	118	....	....	....	....	....	120	226	549	234	150	152
20....	135	....	....	....	....	....	104	284	577	315	192	152
21....	118	....	....	....	....	....	106	337	648	306	192	155
22....	111	....	....	....	....	....	132	332	626	254	174	158
23....	108	....	....	....	....	....	135	342	591	226	165	192
24....	100	....	....	....	....	....	108	388	563	206	168	177
25....	95	....	....	....	....	....	111	348	521	192	175	168
26....	91	....	....	....	....	....	111	364	514	183	217	155
27....	87	....	....	....	....	....	102	354	479	168	205	145
28....	85	....	....	....	....	....	104	394	451	171	197	140
29....	84	....	....	....	....	....	100	458	437	168	190	138
30....	84	....	....	....	....	....	118	458	444	165	215	122
31....	69	....	....	....	....	....	....	486	....	174	206	....
Total	3084	628	....	....	....	....	2743	7713	12906	8332	5209	5405
Mean.	99.5	78.5	....	....	....	....	91.4	249	430	269	168	180
Max..	145	85	....	....	....	....	142	486	648	486	217	230
Min..	69	56	....	....	....	....	50	135	258	165	128	122
Acre-ft.	6120	1250	....	....	....	....	5440	15300	25600	16500	10300	10700

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Clear Creek Near Golden for Year Ending Sept. 30, 1926.
Drainage Area, 392 Square Miles. Altitude, 5,620 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	115	....	....	....	....	40	69	500	1320	838	333	157
2....	113	....	....	....	....	40	71	514	1490	883	352	151
3....	113	....	....	....	....	40	57	556	1520	865	358	171
4....	115	....	....	....	....	42	62	640	1560	812	395	193
5....	118	....	....	....	....	45	74	784	1630	796	406	199
6....	171	....	....	....	....	45	102	872	1670	847	570	180
7....	142	....	....	....	....	45	121	744	1950	838	628	170
8....	130	....	....	....	....	45	140	748	1920	788	496	160
9....	125	....	....	....	....	50	109	535	1820	812	490	155
10....	120	....	....	....	....	62	100	493	1680	856	452	150
11....	128	....	....	....	....	52	120	528	1660	804	417	150
12....	115	....	....	60	....	52	135	507	1550	740	379	146
13....	115	....	....	....	....	60	148	479	1600	680	368	141
14....	118	....	....	....	....	59	150	472	1500	658	318	138
15....	120	....	....	....	....	52	165	514	1480	650	299	136
16....	122	....	....	....	....	54	192	563	1400	635	229	136
17....	124	....	....	....	....	64	223	626	1200	620	299	124
18....	126	....	....	....	....	67	246	704	1110	642	290	119
19....	128	....	....	....	....	71	254	736	1090	650	276	114
20....	130	....	....	....	....	67	279	848	1070	665	196	109
21....	132	....	....	....	....	72	388	1030	1010	650	186	104
22....	132	....	....	....	....	59	388	1170	946	583	229	104
23....	142	....	....	....	....	67	406	1280	928	563	253	107
24....	155	....	....	....	....	85	382	1380	955	542	249	104
25....	145	....	....	....	....	67	354	1430	973	516	225	109
26....	135	....	....	....	....	60	364	1440	1010	484	213	112
27....	145	....	....	....	....	64	437	1430	892	446	217	116
28....	158	....	....	....	....	67	400	1280	919	471	213	114
29....	168	....	....	....	....	64	424	1140	928	446	186	109
30....	160	....	....	....	....	60	472	1130	901	429	193	112
31....	150	....	....	....	....	69	....	1190	....	400	179	....
Total	4110	....	....	....	....	1786	6832	26163	39682	20609	9894	4090
Mean.	133	....	....	....	....	57.6	228	844	1320	665	319	136
Max.	171	....	....	....	....	85	472	1440	1950	883	628	199
Min.	113	....	....	....	....	40	57	472	892	400	179	104
Acre-ft.	8180	....	....	....	....	3540	13600	51900	78600	40900	19600	8090

Discharge of South Boulder Creek at Eldorado Springs for Year Ending Sept. 30, 1925.
Drainage Area, 114 Square Miles. Altitude, 5,800 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	7	19	....	....	....	15	23	61	159	90	20	32
2....	9	27	....	....	....	15	21	68	125	85	26	36
3....	10	19	....	....	....	15	20	70	102	93	23	39
4....	11	19	....	....	....	15	20	63	95	92	26	50
5....	11	19	....	....	....	15	20	66	92	82	23	49
6....	9	19	....	....	....	12	13	67	125	74	25	43
7....	9	19	....	....	....	12	26	78	126	68	23	78
8....	26	16	....	....	....	10	21	88	102	68	26	57
9....	24	16	....	....	....	10	22	82	90	62	23	50
10....	21	15	....	....	....	6	24	75	101	61	23	47
11....	21	13	....	....	....	10	25	72	119	56	24	43
12....	18	13	....	....	....	13	33	67	121	50	24	43
13....	16	13	....	....	....	14	32	63	109	48	21	43
14....	18	14	....	....	....	13	33	74	101	43	25	58
15....	18	16	....	....	....	9	37	74	126	40	22	42
16....	21	12	....	....	....	17	42	72	142	48	18	37
17....	22	15	....	....	....	13	42	70	146	48	16	35
18....	27	15	....	....	....	18	53	74	125	41	15	36
19....	35	14	....	....	....	18	47	92	144	39	16	36
20....	35	14	....	....	....	15	42	109	157	49	24	30
21....	31	15	....	....	....	18	45	110	168	54	26	29
22....	27	15	....	....	....	16	54	154	165	47	23	30
23....	13	16	....	....	....	17	51	123	144	41	21	44
24....	23	14	....	....	....	22	47	142	134	35	23	37
25....	23	14	....	....	....	21	41	142	116	34	33	38
26....	22	14	....	....	....	23	41	146	112	32	28	33
27....	19	15	....	....	....	19	46	134	104	33	42	29
28....	18	20	....	....	....	19	44	134	99	30	44	28
29....	16	21	....	....	....	21	43	148	96	30	39	27
30....	16	18	....	....	....	27	48	152	89	31	33	26
31....	10	....	....	....	....	18	....	163	....	29	37	....
Total	586	489	....	....	....	486	1656	3063	3634	1633	802	1205
Mean	18.9	16.3	12.5	8	12	15.7	35.2	98.8	121	52.7	25.9	40.2
Max.	35	27	....	....	....	27	54	163	168	90	44	78
Min.	7	12	....	....	....	13	61	89	....	29	15	26
Acre-ft.	1160	970	763	492	666	965	2090	6080	7200	3240	1590	2390

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Boulder Creek at Eldorado Springs for Year Ending Sept. 30, 1926.
Drainage Area, 114 Square Miles. Altitude, 5,800 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	24	22	21	16	15	17	31	354	467	222	69	23
2....	22	21	21	16	15	16	31	376	460	285	61	21
3....	21	23	23	16	15	15	36	406	472	256	64	23
4....	20	40	18	15	15	15	41	421	472	219	78	27
5....	20	27	20	15	15	16	41	441	445	246	66	25
6....	36	30	21	15	16	17	51	448	448	224	93	20
7....	27	37	25	15	16	20	61	402	493	221	152	17
8....	26	27	23	16	15	20	71	391	479	213	108	16
9....	27	19	20	16	14	19	71	379	458	219	95	16
10....	27	35	20	16	14	19	61	255	433	248	90	16
11....	31	36	20	15	14	22	61	298	433	202	85	16
12....	33	30	21	15	17	25	66	279	420	180	77	16
13....	32	32	20	14	18	24	122	285	400	157	69	16
14....	40	32	15	15	19	22	139	298	358	166	64	13
15....	34	30	15	15	19	21	139	305	348	168	54	13
16....	31	23	19	16	18	21	182	352	338	177	53	12
17....	33	34	22	16	18	20	211	359	301	155	41	12
18....	30	34	19	15	18	22	260	345	278	144	38	13
19....	24	26	16	15	19	22	301	352	269	140	36	12
20....	24	24	16	15	18	22	261	396	269	132	40	13
21....	22	26	15	15	17	27	336	449	253	132	35	12
22....	24	25	15	15	17	26	339	473	237	116	36	10
23....	24	27	15	16	16	31	315	496	199	111	33	10
24....	24	26	15	16	16	31	298	520	234	105	29	10
25....	22	23	15	15	16	31	292	552	268	101	25	11
26....	22	23	16	15	17	41	288	536	292	90	23	10
27....	22	22	14	15	17	41	308	517	256	82	23	10
28....	21	22	13	15	17	41	325	467	236	85	23	10
29....	22	23	13	15	....	41	302	427	230	90	23	9
30....	22	20	14	16	....	41	352	414	228	82	23	10
31....	23	....	13	16	....	41	....	443	....	77	25	....
Total	810	819	553	476	461	787	5392	12436	10474	5045	1731	442
Mean.	26.1	27.3	17.8	15.4	16.5	25.4	180	401	349	163	55.8	14.7
Max..	40	40	25	16	19	41	352	552	493	285	152	27
Min..	20	19	13	14	14	15	31	255	199	77	23	9
Acre-ft.	1600	1620	1090	947	916	1560	10700	24700	20800	10000	3430	875

Discharge of Boulder Creek Near Orodell for Year Ending Sept. 30, 1925.
Drainage Area, 105 Square Miles. Altitude, 5,800 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	52	90	54	16	22	30	9	45	201	198	62	92
2....	69	59	53	22	31	20	12	57	228	180	60	106
3....	74	75	42	37	23	24	11	94	281	196	57	89
4....	57	71	39	27	28	20	9	113	144	204	63	87
5....	42	85	35	35	37	22	10	89	132	162	66	74
6....	55	67	31	33	32	20	12	104	151	174	52	64
7....	53	72	20	22	41	30	11	104	169	185	54	72
8....	101	55	37	38	23	27	10	96	169	174	44	89
9....	80	29	41	42	25	23	9	102	157	160	45	81
10....	86	46	35	39	28	33	12	84	140	149	44	80
11....	71	36	52	20	27	39	25	60	140	155	48	81
12....	60	55	54	29	37	51	16	106	157	138	38	81
13....	52	48	67	26	41	55	39	101	187	126	29	74
14....	62	48	29	33	30	35	44	97	174	115	25	80
15....	55	52	43	51	18	16	41	81	169	134	19	76
16....	63	33	38	24	26	13	48	90	182	132	16	68
17....	52	48	36	49	29	20	54	68	207	130	14	55
18....	109	46	45	28	31	9	55	66	244	130	14	57
19....	68	42	29	47	20	8	57	130	267	108	43	51
20....	94	57	41	34	20	8	49	169	281	120	44	48
21....	109	39	44	29	22	10	48	167	260	111	48	46
22....	92	52	36	41	11	7	43	182	298	99	54	43
23....	41	29	24	48	20	9	51	185	320	92	77	40
24....	111	30	23	76	25	11	49	177	309	81	99	37
25....	85	46	24	32	16	10	44	190	234	75	78	35
26....	66	51	38	27	18	8	48	187	240	84	75	32
27....	89	26	24	32	18	9	49	190	224	82	89	30
28....	99	46	26	34	19	10	49	190	190	86	90	28
29....	80	69	20	32	....	8	43	198	182	94	113	25
30....	78	33	26	27	....	11	53	212	187	89	109	23
31....	69	....	28	39	....	10	....	207	....	82	97	....
Total	2274	1535	1134	1069	718	606	1010	3941	6224	4045	1766	1844
Mean.	73.4	51.2	36.6	34.6	25.6	19.5	33.7	127	207	130	57.0	61.5
Max..	111	90	67	76	41	55	57	212	320	204	113	106
Min..	41	26	20	16	11	7	9	45	132	75	14	....
Acre-ft.	4510	3050	2250	2120	1420	1200	2010	7810	12300	7990	3500	3660

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Boulder Creek Near Orodell for Year Ending Sept. 30, 1926.
Drainage Area, 105 Square Miles. Altitude, 5,800 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	22	20	24	37	46	43	22	273	502	420	138	85
2....	19	32	38	38	16	41	24	280	521	470	155	92
3....	18	28	42	35	33	41	30	295	521	464	138	90
4....	17	29	32	24	40	26	314	548	414	148	107	
5....	20	23	37	40	24	43	59	310	541	448	176	81
6....	26	26	64	27	26	54	62	314	575	442	208	78
7....	22	25	24	34	15	24	60	291	752	436	310	79
8....	26	20	22	38	26	35	68	273	834	436	273	81
9....	26	20	26	42	24	40	66	224	818	442	227	68
10....	24	21	37	15	27	51	78	233	645	470	214	62
11....	28	22	47	27	32	39	72	230	616	388	200	68
12....	24	23	31	35	20	36	102	206	616	378	208	62
13....	30	26	62	42	22	58	115	208	631	340	189	65
14....	26	19	24	30	19	17	105	206	609	307	178	68
15....	25	15	29	27	28	44	94	211	595	340	134	62
16....	26	17	47	26	40	40	127	186	561	307	124	59
17....	30	22	36	16	40	49	181	220	502	303	136	49
18....	34	24	59	28	42	54	192	211	409	310	124	47
19....	26	22	52	30	29	34	208	208	398	340	124	34
20....	25	18	28	23	26	26	206	236	398	314	107	39
21....	28	22	46	21	18	20	299	273	388	236	127	52
22....	30	30	45	24	32	22	310	280	383	240	98	49
23....	26	20	33	24	55	31	307	277	336	236	105	47
24....	30	18	27	28	43	34	303	291	280	233	113	39
25....	22	28	17	24	38	21	253	280	314	208	105	36
26....	27	16	27	26	39	32	260	273	470	194	102	22
27....	24	20	18	28	47	32	280	299	414	211	111	32
28....	23	30	32	22	55	31	270	284	453	197	107	43
29....	31	47	32	37	....	26	273	273	436	197	88	40
30....	28	23	35	55	....	27	295	310	459	168	107	33
31....	24	....	36	46	....	27	....	388	....	160	107	....
Total	787	706	1106	957	886	1112	4747	8157	15525	10049	4681	1769
Mean.	25.4	23.5	35.7	30.9	31.6	35.9	158	263	518	324	151	59.0
Max..	34	47	64	55	55	58	310	388	834	470	310	107
Min..	17	15	17	15	15	17	22	186	280	160	88	22
Acre-ft.	1560	1400	2200	1900	1760	2210	9400	16200	30800	19900	9280	3510

Discharge of St. Vrain Creek at Lyons for Year Ending Sept. 30, 1925.
Drainage Area, 226 Square Miles. Altitude, 5,349 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	20	15	10	12	11	9	15	44	248	230	110	90
2....	25	17	10	12	11	9	15	57	206	301	90	99
3....	31	20	11	11	13	10	16	60	176	288	86	103
4....	36	27	12	10	14	10	15	65	161	239	99	103
5....	28	22	12	9	15	11	15	70	161	239	116	101
6....	26	21	13	12	14	11	18	68	233	221	112	92
7....	21	18	12	15	15	12	22	74	239	201	101	90
8....	40	14	10	16	13	17	20	86	190	206	97	86
9....	44	13	10	13	11	18	15	86	212	179	94	101
10....	33	16	8	11	14	16	12	84	206	171	92	97
11....	20	15	7	9	14	12	15	78	242	168	121	86
12....	23	15	7	9	17	15	21	74	201	161	127	80
13....	24	17	7	10	20	18	26	82	166	163	130	88
14....	23	21	6	10	21	17	26	101	146	156	130	108
15....	24	19	6	10	18	18	26	97	195	156	119	82
16....	24	16	6	10	18	16	28	99	242	163	99	62
17....	26	16	6	10	16	16	38	101	248	171	92	52
18....	28	16	7	10	15	15	38	114	248	171	86	52
19....	34	16	6	10	15	15	36	156	264	168	82	54
20....	41	17	7	10	15	17	28	176	294	181	86	54
21....	41	16	7	10	15	17	26	201	277	181	112	54
22....	38	15	7	10	18	15	27	201	322	174	114	62
23....	34	15	8	11	15	17	32	156	328	171	112	80
24....	32	13	8	13	15	12	38	171	308	161	112	76
25....	31	10	8	15	14	9	31	192	281	153	114	72
26....	28	10	9	13	14	9	28	230	255	158	158	68
27....	26	10	10	15	12	8	30	221	239	156	148	60
28....	25	10	11	13	11	8	30	233	233	141	127	56
29....	23	10	10	11	....	9	28	258	218	134	114	54
30....	20	10	11	11	....	14	34	271	218	127	105	48
31....	15	....	12	12	....	14	....	281	....	121	92	....
Total	884	470	274	353	414	414	749	4187	6957	5610	3375	2310
Mean.	28.5	15.7	8.84	11.4	14.8	13.4	25.0	135	232	181	109	77.0
Max..	44	27	13	16	21	18	38	281	328	301	156	108
Min..	15	10	6	9	11	8	12	44	146	121	82	48
Acre-ft.	1750	934	544	701	822	824	1490	3300	13800	11100	6700	4580

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of St. Vrain Creek at Lyons for Year Ending Sept. 30, 1926.
Drainage Area, 209 Square Miles. Altitude, 5,349 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	45	66	42	26	22	24	65	519	777	486	259	92
2....	45	70	45	27	20	25	51	519	822	473	241	65
3....	42	68	48	27	20	26	56	532	777	496	234	59
4....	65	65	24	26	20	28	86	546	766	468	245	70
5....	52	49	24	36	20	30	125	580	750	468	224	72
6....	88	51	33	32	21	30	133	600	856	523	270	70
7....	66	63	26	33	23	25	144	491	994	605	325	59
8....	70	48	16	33	22	26	217	468	1010	505	281	72
9....	52	49	16	32	20	25	241	399	971	514	256	72
10....	42	46	18	31	20	27	194	344	839	500	220	70
11....	41	48	22	26	23	25	190	288	772	424	178	74
12....	49	41	26	30	23	22	207	263	755	416	144	76
13....	45	42	27	28	26	24	238	224	867	399	150	70
14....	57	39	25	26	26	25	227	210	833	446	162	76
15....	48	37	24	27	24	26	245	220	728	399	194	76
16....	48	49	25	27	24	25	310	259	665	378	171	63
17....	61	72	28	27	27	28	359	256	555	378	165	54
18....	74	66	33	26	25	30	433	266	523	374	153	59
19....	68	51	38	26	26	36	459	252	468	382	147	54
20....	74	49	37	26	27	36	455	288	459	395	162	52
21....	76	52	32	24	27	46	702	416	407	407	153	45
22....	84	51	33	24	24	48	839	455	382	363	147	44
23....	86	52	36	23	24	61	739	477	363	344	138	39
24....	92	49	37	24	23	68	590	532	403	333	120	39
25....	86	45	36	25	24	66	509	532	437	317	105	45
26....	88	42	36	24	24	59	468	514	455	295	92	44
27....	86	41	33	24	24	61	532	555	486	288	86	41
28....	78	41	26	23	26	49	523	580	477	281	88	41
29....	88	38	30	23	....	44	532	505	482	277	103	37
30....	80	38	27	21	....	48	537	542	482	266	112	33
31....	76	....	26	22	....	61	....	739	....	266	105	....
Total	2052	1518	929	829	655	1154	10406	13371	19561	12466	5430	1763
Mean..	66.2	50.6	30.0	26.7	23.4	37.2	347	431	652	402	175	58.8
Max....	92	72	48	36	27	68	839	739	1010	605	325	92
Min....	41	37	16	21	20	22	51	210	363	266	86	33
Acre-ft.	4070	3010	1840	1640	1300	2290	20600	26500	38800	24700	10800	3500

Discharge of North Fork St. Vrain Creek Near Allens Park for Year Ending Sept. 30, 1926.
Drainage Area, 33 Square Miles. Altitude, 8,250 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	....	22	13	....	....	8	10	54	289	306	91	36
2....	....	23	13	....	....	8	9	59	312	286	87	32
3....	....	22	11	....	....	8	10	84	302	294	87	32
4....	....	16	11	....	....	8	10	109	296	279	111	39
5....	....	16	11	....	....	8	9	134	312	282	117	36
6....	....	16	11	....	....	8	8	130	374	284	151	30
7....	....	16	13	....	....	8	9	89	402	282	155	30
8....	....	16	13	....	....	8	9	76	431	244	128	33
9....	....	16	12	....	....	8	8	59	407	210	120	30
10....	....	16	11	....	....	8	10	46	358	198	109	26
11....	....	14	13	....	....	8	10	44	350	187	101	22
12....	....	14	11	....	....	8	11	43	340	204	80	22
13....	....	14	12	....	....	8	11	37	349	220	75	22
14....	....	14	11	....	....	8	15	39	358	215	75	24
15....	....	14	11	....	....	8	12	56	345	191	66	23
16....	....	14	12	....	....	8	18	71	309	182	59	22
17....	....	18	12	....	....	8	22	75	249	182	56	20
18....	....	17	12	....	....	8	25	73	230	180	54	20
19....	....	15	12	....	....	7	28	76	232	178	54	20
20....	....	14	12	....	....	8	32	128	232	178	54	19
21....	....	14	13	....	....	8	36	232	198	171	49	20
22....	....	15	12	....	....	11	30	215	182	153	48	20
23....	29	14	12	....	....	8	29	240	184	134	46	18
24....	29	13	13	....	....	9	27	264	210	124	44	17
25....	27	14	12	....	....	13	28	284	215	113	43	18
26....	25	13	11	....	....	11	31	259	242	107	40	18
27....	28	13	11	....	....	10	34	234	262	107	38	17
28....	26	15	11	....	....	10	37	221	278	113	38	16
29....	24	13	11	....	....	10	42	208	294	107	38	15
30....	23	13	11	....	....	11	49	244	289	101	39	15
31....	22	....	11	....	....	11	....	266	....	97	38	....
Total	....	464	365	....	....	271	619	4149	8831	5909	2291	712
Mean..	20.3	15.5	11.8	9	8	8.7	20.6	134	294	191	73.9	23.7
Max....	....	23	13	....	....	13	49	284	431	306	155	39
Min....	....	13	11	....	....	....	8	37	182	97	38	15
Acre-ft.	1250	922	726	553	444	535	1230	8240	17500	11700	4540	1410

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North St. Vrain Creek at Longmont Dam for Year Ending Sept. 30, 1926.
Drainage Area, 109 Square Miles. Altitude, 6,080 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	....	56	....	....	....	....	....	....	450	379	121	55
2....	....	55	....	....	....	....	....	....	472	329	116	52
3....	....	52	....	....	....	....	....	....	467	355	116	53
4....	....	46	....	....	....	....	....	....	461	342	143	61
5....	....	....	....	....	....	....	....	....	484	364	134	61
6....	....	....	....	....	....	....	....	....	554	408	171	51
7....	....	....	....	....	....	....	....	....	644	424	204	45
8....	....	....	....	....	....	....	....	....	671	374	164	50
9....	....	....	....	....	....	....	....	....	617	360	148	45
10....	....	....	....	....	....	....	....	....	495	333	139	43
11....	....	....	....	....	....	....	....	....	478	278	125	45
12....	....	....	....	....	....	....	....	....	467	256	107	48
13....	....	....	....	....	....	....	....	....	650	285	105	47
14....	....	....	....	....	....	....	....	123	518	293	103	46
15....	....	....	....	....	....	....	....	130	506	255	91	40
16....	....	....	....	....	....	....	....	152	461	238	84	36
17....	Oct.	....	....	....	....	....	....	154	374	234	80	37
18....	....	....	....	....	....	....	....	159	337	228	75	37
19....	....	....	....	....	....	....	....	159	300	229	70	36
20....	....	....	....	....	....	....	....	182	293	233	76	33
21....	....	....	....	....	....	....	....	....	259	240	70	34
22....	....	....	....	....	....	....	....	....	234	200	70	34
23....	....	....	....	....	....	....	....	....	225	184	67	30
24....	....	....	....	....	....	....	....	....	256	171	64	30
25....	54	....	....	....	....	....	....	....	263	157	58	32
26....	65	....	....	....	....	....	....	....	278	148	53	33
27....	62	....	....	....	....	....	....	....	293	143	52	32
28....	69	....	....	....	....	....	....	....	308	148	52	31
29....	69	....	....	....	....	....	....	....	342	139	54	30
30....	64	....	....	....	....	....	....	....	342	126	55	30
31....	60	....	....	....	....	....	....	....	....	125	54	....
Total	....	....	....	....	....	....	....	....	12499	7978	3021	1237
Mean.	50	38	....	....	....	....	....	270	417	257	97.5	41.2
Max.	....	....	....	....	....	....	....	....	650	424	204	61
Min.	....	....	....	....	....	....	....	....	225	125	52	30
Acre-ft.	3070	2260	....	....	....	....	....	16600	24800	15800	6000	2450

Discharge of Middle Fork St. Vrain Creek near Allen's Park for Year Ending Sept. 30, 1926.
Drainage Area, 28.5 Square Miles. Altitude, 7,550 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	96	243	158	65	29
2....	112	243	158	64	26
3....	130	240	170	66	24
4....	153	255	159	85	25
5....	150	270	150	82	25
6....	123	312	170	97	19
7....	117	291	219	98	18
8....	100	291	170	93	19
9....	81	267	172	90	16
10....	72	237	148	82	15
11....	66	228	123	69	17
12....	62	222	123	59	18
13....	62	280	115	57	17
14....	69	258	115	56	18
15....	75	249	108	52	16
16....	85	228	118	48	13
17....	85	181	129	46	14
18....	87	174	116	44	15
19....	118	172	109	46	14
20....	160	170	113	48	14
21....	200	148	116	46	16
22....	210	138	102	44	15
23....	216	127	86	44	12
24....	222	136	81	39	11
25....	225	142	76	37	11
26....	69	222	153	74	34
27....	69	228	158	71	31
28....	74	210	159	76	32
29....	79	202	165	72	33
30....	81	222	165	69	32
31....	246	....	68	33	....
Total	4409	6362	3734	1752	492
Mean.	142	210	120	56.5	16.4
Max.	246	312	219	98	29
Min.	62	127	68	31	10
Acre-ft.	8730	12500	7380	3470	976

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South St. Vrain near Ward for Year Ending Sept. 30, 1926.
Drainage Area 15 Square Miles. Altitude 9,420 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....									170	170	60	29
2.....									196	174	58	28
3.....									170	178	71	28
4.....									174	192	75	29
5.....									166	185	92	28
6.....									211	148	121	31
7.....									307	170	103	23
8.....									304	183	102	20
9.....									256	181	93	21
10.....									198	170	92	22
11.....									187	130	77	23
12.....									187	118	65	22
13.....									236	114	58	22
14.....									196	108	51	20
15.....									185	118	44	20
16.....									166	121	43	22
17.....									135	112	38	21
18.....									120	109	36	19
19.....									126	109	39	18
20.....									128	112	37	18
21.....									115	114	35	17
22.....									103	120	34	16
23.....									97	100	34	16
24.....									115	88	36	16
25.....									128	82	33	15
26.....									135	69	33	14
27.....									154	70	34	12
28.....									154	76	33	12
29.....								137	170	76	30	12
30.....								144	170	68	31	12
31.....								168	....	65	32	....
Total.....									5159	3830	1720	606
Mean.....									172	124	55.5	20.2
Max.....									307	192	121	31
Min.....									97	65	30	12
Acre-ft.....									10200	7620	3410	1200

Discharge of Big Thompson River at Drake for Year Ending Sept. 30, 1925.
Drainage Area 274 Square Miles. Altitude 6,100 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	57	54	23	18	24	28	30	54	331	502	136	160
2.....	59	52	23	18	24	30	29	81	294	537	123	176
3.....	59	51	23	18	26	26	29	104	223	438	126	214
4.....	55	49	23	18	26	22	29	100	196	423	220	283
5.....	56	50	23	18	26	26	28	99	217	393	271	217
6.....	54	44	15	17	26	26	29	99	287	375	190	190
7.....	64	35	15	17	26	26	30	103	287	331	144	179
8.....	129	33	15	17	28	26	29	115	230	331	144	162
9.....	91	41	15	17	23	26	30	104	223	283	144	132
10.....	78	53	15	17	22	18	29	101	250	283	179	131
11.....	69	24	22	16	24	18	32	107	380	254	287	121
12.....	70	24	26	16	24	18	40	118	352	233	375	118
13.....	65	32	31	16	22	18	48	123	323	236	398	120
14.....	66	35	36	16	26	18	65	145	275	220	254	190
15.....	65	38	30	16	29	18	61	128	438	226	220	131
16.....	67	39	27	17	29	18	86	124	508	243	171	129
17.....	66	42	15	17	30	18	81	136	580	250	144	120
18.....	67	35	15	17	30	25	90	155	480	271	145	118
19.....	67	39	15	17	22	28	70	176	508	275	190	120
20.....	108	39	15	19	26	21	71	243	566	271	271	118
21.....	92	37	15	21	25	19	77	275	592	290	243	120
22.....	85	37	15	22	22	22	72	344	502	331	254	128
23.....	77	25	15	23	22	25	74	275	548	271	250	144
24.....	70	14	15	22	22	25	67	339	470	264	210	142
25.....	68	17	15	23	23	28	56	323	497	240	204	132
26.....	60	30	15	22	22	26	58	298	464	196	230	121
27.....	57	32	18	22	22	29	56	275	423	179	220	120
28.....	54	35	18	23	21	26	56	331	423	160	214	111
29.....	54	38	18	25	....	32	59	475	408	171	196	101
30.....	40	38	18	24	....	38	61	592	423	162	176	99
31.....	33	....	18	24	....	29	....	491	....	158	149	....
Total.....	2102	1112	605	593	692	753	1572	6433	11698	8807	6478	4347
Mean.....	67.8	37.1	19.5	19.1	24.7	24.3	52.4	208	390	284	209	145
Max.....	129	54	36	25	30	38	90	592	592	537	398	283
Min.....	33	14	....	....	21	18	28	54	196	158	123	99
Acre-ft.....	4170	2210	1200	1170	1370	1490	3120	12800	23200	17500	12900	8630

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Big Thompson River at Drake for Year Ending Sept. 30, 1926.
Drainage Area 274 Square Miles. Altitude 6,100 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	98	111	58	20	17	19	31	648	1540	1260	318	113
2.....	96	110	61	24	17	21	37	632	1490	1200	306	110
3.....	94	107	58	21	17	20	41	685	1420	1020	310	107
4.....	98	93	35	21	17	18	44	732	1490	1140	306	124
5.....	94	58	36	27	18	20	48	998	1420	1260	366	110
6.....	331	81	38	32	19	20	76	1140	1590	1200	560	101
7.....	230	80	41	20	19	21	79	1040	1920	1200	502	96
8.....	188	80	45	25	19	19	110	950	1800	1020	531	105
9.....	166	83	49	22	19	20	107	700	1620	870	398	123
10.....	140	81	51	21	19	22	114	612	1560	798	375	116
11.....	138	79	53	23	19	20	120	491	1490	700	290	110
12.....	158	73	48	31	19	19	132	398	1420	640	275	100
13.....	156	67	38	19	18	19	149	352	1540	612	271	95
14.....	149	66	29	20	17	18	147	375	1320	612	260	92
15.....	134	66	27	20	16	20	132	375	1240	625	240	87
16.....	127	69	29	20	16	18	162	475	1140	685	201	82
17.....	124	67	32	20	16	23	220	560	852	700	183	79
18.....	130	64	34	20	17	28	448	554	798	612	174	76
19.....	139	55	33	23	18	29	413	586	780	685	160	78
20.....	124	62	29	23	19	29	475	662	780	662	153	72
21.....	116	67	24	21	18	28	1020	1290	740	625	142	75
22.....	124	68	25	25	17	34	662	1320	700	573	138	75
23.....	124	70	27	29	16	38	780	1340	685	491	135	72
24.....	124	72	26	24	16	29	618	1320	678	459	134	71
25.....	124	69	24	19	18	26	554	1260	625	475	134	72
26.....	111	63	26	18	18	26	548	1340	700	448	124	69
27.....	110	57	25	19	19	26	560	1360	798	398	123	66
28.....	109	58	26	19	19	28	548	1390	852	423	123	63
29.....	106	62	22	19	....	30	566	1160	920	423	121	62
30.....	104	58	32	22	....	24	573	1240	1080	352	120	61
31.....	104	....	29	20	....	27	....	1390	....	339	117	....
Total	4221	2196	1110	687	497	739	9514	27375	34988	22507	7590	2662
Mean.	126	73.2	35.8	22.2	17.8	23.8	317	883	1170	726	245	88.7
Max.	331	111	61	32	19	38	1020	1390	1920	1260	560	124
Min.	94	55	22	18	16	18	31	352	625	339	117	61
Acre ft.	8360	4360	2200	1360	989	1460	18900	54300	69600	44600	15100	5280

Discharge of Cache La Poudre River at Mouth of Canon for Year Ending Sept. 30, 1925.
Drainage Area 1,048 Square Miles. Altitude 5,070 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	82	82	....	....	....	56	52	247	1130	762	262	300
2.....	91	91	....	....	....	56	58	304	998	808	210	393
3.....	87	84	....	....	....	62	58	398	906	808	232	430
4.....	89	82	....	....	....	62	55	420	922	832	270	494
5.....	89	87	....	....	....	63	51	409	939	769	330	458
6.....	87	102	....	....	....	63	56	441	1090	808	348	420
7.....	89	95	....	....	....	64	69	482	1160	702	335	388
8.....	133	68	....	....	....	68	58	563	1020	630	291	358
9.....	219	78	....	....	....	70	56	500	998	563	239	388
10.....	159	113	....	....	....	68	55	518	990	531	224	398
11.....	152	89	....	....	....	62	56	550	1250	500	326	378
12.....	124	66	....	....	....	68	74	525	1200	550	476	344
13.....	110	64	....	....	....	77	91	544	1110	538	339	409
14.....	102	64	....	....	....	77	156	694	1110	500	283	494
15.....	102	64	....	....	45	77	199	630	1400	494	254	420
16.....	110	66	....	....	....	68	217	525	1560	512	317	330
17.....	108	68	....	....	....	68	228	525	1550	436	326	254
18.....	112	70	....	....	....	66	270	617	1550	348	304	232
19.....	126	76	....	38	....	66	262	739	1400	425	335	213
20.....	156	72	....	....	....	68	235	889	1510	476	512	195
21.....	136	68	....	....	....	72	235	1040	1500	512	538	178
22.....	127	60	....	....	....	71	270	1220	1660	557	512	156
23.....	122	60	....	....	....	72	300	1090	1530	488	452	150
24.....	113	52	....	....	....	74	287	1130	1270	430	452	169
25.....	105	54	....	....	....	74	262	1100	1150	403	425	162
26.....	98	56	....	....	....	79	247	1120	1150	353	476	150
27.....	93	58	....	....	....	58	266	1130	1080	317	452	135
28.....	91	58	....	....	....	50	235	1280	948	322	425	132
29.....	87	58	....	....	....	52	213	1510	939	279	287	126
30.....	89	56	....	....	....	55	217	1500	922	254	224	115
31.....	87	....	....	....	....	55	....	1410	....	287	210	....
Total	3486	2161	....	....	....	2041	4888	24050	35942	16194	10666	8769
Mean	112	72.0	45	41	42	65.8	163	776	1200	522	344	292
Max.	219	113	....	....	....	79	300	1510	1660	832	538	494
Min.	82	52	....	....	....	....	51	247	906	254	210	115
Acre ft.	6890	4280	2770	2520	2330	4050	9700	47700	71400	32100	21200	17400

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cache la Poudre River at Mouth of Canon for Year Ending Sept. 30, 1926.
Drainage Area 1,048 Square Miles. Altitude 5,070 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	117	120	87	....	....	66	70	633	2530	2160	428	412
2....	112	114	82	....	....	66	73	722	2560	1820	412	707
3....	107	112	85	....	....	66	77	776	2500	1630	386	508
4....	109	114	80	....	....	66	80	851	2560	1620	407	431
5....	125	102	70	67	63	66	97	1030	2660	1650	456	445
6....	212	90	92	....	....	67	109	1430	3370	1510	485	362
7....	249	99	94	....	....	67	127	1360	3760	1620	655	341
8....	206	94	64	....	....	67	151	1290	3530	1610	572	386
9....	186	94	64	....	....	67	216	1180	2980	1480	640	253
10....	157	102	68	....	....	67	223	1040	2930	1500	586	114
11....	160	107	76	....	....	68	120	1010	2850	1280	479	94
12....	179	99	78	....	....	56	87	918	2620	1170	386	90
13....	166	97	85	....	....	50	107	834	2420	1180	367	85
14....	163	99	83	....	....	47	99	943	2620	1140	339	87
15....	157	112	82	....	....	49	68	943	2360	1020	313	80
16....	154	110	80	....	....	46	64	1070	2250	1020	296	64
17....	139	108	80	....	....	49	97	1180	1710	960	339	80
18....	125	106	80	....	....	58	176	1330	1550	868	322	109
19....	130	104	80	....	....	58	226	1280	1580	842	300	120
20....	151	100	80	....	....	57	326	1340	1650	859	296	112
21....	142	98	75	....	....	60	737	1950	1480	859	304	114
22....	122	96	75	....	....	57	884	2260	1330	792	284	117
23....	127	94	75	....	....	50	800	2620	1330	684	284	107
24....	130	92	75	....	....	60	655	2750	1460	640	280	97
25....	109	87	75	....	....	60	553	2700	1520	592	256	97
26....	107	94	70	....	....	50	521	2760	1580	534	256	94
27....	120	97	70	....	....	54	592	2800	1670	527	268	92
28....	120	94	70	....	....	60	586	2780	1650	540	264	90
29....	151	90	70	....	....	62	553	2670	1660	566	292	85
30....	148	94	70	....	....	65	599	2560	1680	514	445	80
31....	133	....	70	....	....	68	....	2500	....	479	372	....
Total	4513	3019	2385	....	....	1849	9073	49510	66350	33666	11769	5859
Mean.	146	101	76.9	65	64	59.6	302	1600	2210	1090	380	195
Max..	249	120	94	....	....	....	884	2800	3760	2160	655	707
Min..	107	....	....	....	....	....	....	633	1330	479	256	64
Acre-ft.	8980	6010	4730	4000	3550	3660	18000	98400	132000	67000	23400	11600

Discharge of Cache La Poudre River near Mouth for Year Ending Sept. 30, 1925.
Drainage Area..... Square Miles. Altitude 4,610 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	85	104	108	72	98	93	67	12	17	27	16	14
2....	79	103	110	72	102	90	64	12	15	26	15	14
3....	107	100	110	70	103	88	57	14	15	27	18	14
4....	105	98	110	72	102	88	50	15	17	26	16	14
5....	98	102	105	79	102	88	44	14	21	21	18	24
6....	103	105	107	84	103	88	41	14	27	15	19	20
7....	105	102	117	85	107	90	40	17	66	14	17	23
8....	107	102	114	84	108	88	44	17	62	15	17	16
9....	120	108	114	85	112	85	44	21	41	16	26	14
10....	110	119	103	79	108	88	43	30	36	17	41	14
11....	108	117	114	82	105	80	43	31	35	20	108	14
12....	107	119	115	80	102	78	43	26	47	21	126	15
13....	103	117	112	78	102	84	41	24	51	21	160	21
14....	105	115	105	78	105	76	39	26	40	19	103	61
15....	105	112	103	76	103	82	38	34	50	19	85	24
16....	105	108	105	78	105	82	45	29	765	20	74	27
17....	107	105	105	76	102	82	38	26	170	26	72	23
18....	105	105	108	79	102	80	18	29	133	26	58	25
19....	115	103	96	80	100	74	15	24	119	30	36	17
20....	112	105	76	78	100	73	14	19	115	47	15	14
21....	119	102	73	76	100	73	14	18	108	31	14	14
22....	117	100	80	78	98	73	12	18	108	396	14	14
23....	119	100	88	82	93	74	11	18	85	88	13	13
24....	117	100	88	84	91	74	10	18	82	54	17	11
25....	120	95	91	85	91	73	10	20	66	40	29	12
26....	119	98	91	86	95	73	10	20	44	38	26	14
27....	120	90	85	88	96	73	10	23	38	34	20	18
28....	119	88	86	91	100	73	10	20	30	24	20	19
29....	114	95	58	100	....	73	10	19	27	15	20	14
30....	111	105	60	96	....	70	10	21	26	51	20	14
31....	107	....	70	98	....	70	....	18	....	15	13	....
Total	3373	3122	3007	2531	2835	2476	935	647	2456	1239	1246	551
Mean.	109	104	97.0	81.6	101	79.9	31.2	20.9	81.9	40.0	40.2	18.4
Max..	120	119	117	100	112	93	67	34	765	396	160	61
Min..	19	88	58	70	91	70	10	12	15	14	13	11
Acre-ft.	6700	6190	5960	5020	5610	4910	1860	1290	4870	2460	2470	1090

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cache La Poudre River near Mouth for Year Ending Sept. 30, 1926.
Drainage Area..... Square Miles. Altitude 4,610 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	17	112	106	76	69	88	87	448	84	58	25	15
2....	26	112	110	79	71	87	90	406	101	57	22	17
3....	18	113	108	82	72	87	94	506	117	66	22	17
4....	12	122	101	80	77	88	90	709	80	94	30	23
5....	12	117	112	77	90	92	90	229	76	263	19	33
6....	30	115	112	84	101	92	94	119	242	276	20	28
7....	33	113	112	69	108	82	94	101	868	200	24	23
8....	23	112	110	87	121	80	95	52	1230	188	19	14
9....	33	108	110	87	124	80	119	45	888	198	22	15
10....	54	108	108	84	119	79	124	47	452	186	20	16
11....	68	106	95	82	115	80	121	38	396	172	60	19
12....	80	104	94	74	110	77	115	36	460	74	20	19
13....	110	106	92	79	126	76	113	31	570	64	29	22
14....	149	110	60	80	112	74	106	28	1140	55	25	18
15....	151	103	64	80	112	76	101	29	1520	50	38	17
16....	155	103	69	87	115	72	88	66	1220	41	36	11
17....	170	104	73	77	123	74	84	16	1200	31	22	16
18....	168	101	78	80	117	76	82	11	833	24	16	20
19....	164	99	83	80	113	79	82	17	863	34	19	33
20....	158	99	87	76	112	77	112	12	1120	31	19	33
21....	131	101	84	76	110	79	273	10	820	38	22	31
22....	126	97	84	82	106	82	1050	40	540	57	33	23
23....	128	97	85	74	106	84	1100	17	260	55	37	28
24....	139	99	87	80	103	80	956	40	220	74	26	41
25....	130	103	84	79	101	82	691	77	200	92	19	52
26....	124	104	87	79	90	90	595	17	180	76	15	80
27....	124	110	85	74	95	95	550	92	139	55	14	103
28....	124	113	64	71	92	99	656	153	128	54	16	119
29....	124	106	67	74	....	92	616	126	92	47	16	178
30....	126	101	70	80	....	88	583	77	64	38	14	208
31....	124	....	73	68	....	88	....	103	....	31	18	....
Total	3031	3198	2754	2437	2910	2575	9051	3698	16103	2779	737	1272
Mean.	97.8	107	88.8	78.6	104	83.1	302	119	537	89.6	23.8	42.4
Max..	170	122	112	87	126	99	1100	709	1520	276	60	208
Min..	12	97	....	68	69	72	82	10	64	24	14	11
Acre-ft.	6010	6370	5460	4830	5780	5110	18000	7320	32000	5510	1460	2520

Discharge of North Platte River near Walden for Year Ending Sept. 30, 1925.
Drainage Area 446 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	48	....	....	....	....	....	310	200	808	159	88	96
2....	58	....	....	....	....	....	280	204	705	190	88	115
3....	60	....	....	....	....	....	220	229	469	230	90	220
4....	67	....	....	....	....	....	230	220	363	270	97	195
5....	100	....	....	....	....	....	235	200	553	340	117	174
6....	150	....	....	....	....	....	210	210	730	270	106	157
7....	222	....	....	....	....	....	212	230	730	160	111	126
8....	250	....	....	....	....	....	246	245	655	119	97	115
9....	175	....	....	....	....	....	280	269	473	115	88	113
10....	113	....	....	....	....	....	340	310	353	110	91	106
11....	103	....	....	....	....	....	460	370	356	120	109	102
12....	94	....	....	....	....	....	580	340	395	140	117	97
13....	105	....	....	....	....	....	570	300	340	190	122	101
14....	102	....	....	....	....	....	550	340	325	170	108	194
15....	100	....	....	....	....	....	535	370	414	145	101	161
16....	98	....	....	....	....	....	510	450	499	130	85	132
17....	100	....	....	....	....	....	500	420	486	129	76	111
18....	100	....	....	....	....	....	490	370	469	128	71	101
19....	103	....	....	....	....	....	430	430	500	119	82	148
20....	106	....	....	....	....	....	370	515	550	124	109	287
21....	160	....	....	....	....	....	310	620	630	154	144	218
22....	165	....	....	....	....	....	269	680	740	189	113	182
23....	110	....	....	....	....	....	250	630	630	194	101	157
24....	105	....	....	....	....	....	240	580	553	172	96	134
25....	102	....	....	....	....	....	235	605	470	142	104	122
26....	97	....	....	....	....	....	235	655	360	120	104	115
27....	88	....	....	....	....	....	225	680	260	111	122	101
28....	83	....	....	....	....	....	220	705	210	102	148	92
29....	83	....	....	....	....	....	210	780	140	94	152	86
30....	83	....	....	....	....	....	200	780	150	92	132	84
31....	83	....	....	....	....	....	....	835	....	91	104	....
Total	2443	....	....	....	....	....	10012	13772	14321	4819	3273	4142
Mean.	111	....	....	....	....	....	334	444	477	155	106	138
Max..	250	....	....	....	....	....	580	835	808	340	152	287
Min..	48	....	....	....	....	....	200	200	140	91	71	84
Acre-ft.	6820	....	....	....	....	....	19900	27300	28400	9530	6520	8210

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North Platte River near Walden for Year Ending Sept. 30, 1926.
Drainage Area 446 Square Miles. Altitude Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	84	126	....	....	....	....	200	780	990	258	103	42
2....	80	122	....	....	....	....	250	780	1030	218	102	42
3....	78	117	....	....	....	....	300	835	1030	146	101	42
4....	76	104	....	....	....	....	500	835	1030	136	100	42
5....	88	....	....	....	....	....	700	835	1000	258	101	42
6....	343	....	....	....	....	....	1000	835	972	316	102	42
7....	310	....	....	....	....	....	1550	705	1060	278	102	43
8....	226	....	....	....	....	....	1630	580	1080	440	115	42
9....	184	....	....	....	....	....	1570	512	1060	353	135	41
10....	177	....	....	....	....	....	1300	403	945	260	145	40
11....	177	....	....	....	....	....	1190	347	807	225	132	43
12....	174	....	....	....	....	....	1000	319	807	200	119	44
13....	172	....	....	....	....	....	835	272	730	190	108	44
14....	161	....	....	....	....	....	630	210	730	170	101	41
15....	146	....	....	....	....	....	655	201	680	160	91	40
16....	140	....	....	....	....	....	835	232	580	152	90	37
17....	146	....	....	....	....	....	972	301	448	140	80	37
18....	142	....	....	....	....	....	945	425	392	136	70	38
19....	148	....	....	....	....	....	1030	448	347	133	60	37
20....	154	....	....	....	....	....	945	418	307	130	50	36
21....	159	....	....	....	....	....	1000	655	249	126	40	35
22....	159	....	....	....	....	....	1030	835	215	122	40	36
23....	159	....	....	....	....	....	1060	835	199	117	40	32
24....	157	....	....	....	....	....	945	918	189	115	40	30
25....	128	....	....	....	....	....	755	1000	191	113	41	34
26....	120	....	....	....	....	....	780	1000	191	111	41	36
27....	120	....	....	....	....	....	835	1110	191	115	41	39
28....	134	....	....	....	....	....	835	890	179	119	41	41
29....	146	....	....	....	....	....	780	880	163	118	41	43
30....	138	....	....	....	....	....	807	920	191	117	41	41
31....	130	....	....	....	....	....	....	950	....	104	41	....
Total	4756	....	....	....	....	....	26864	20266	17983	5576	2454	1182
Mean..	153	....	....	....	....	....	895	654	599	180	79.2	39.4
Max..	343	....	....	....	....	....	1630	1110	1080	440	145	44
Min...	76	....	....	....	....	....	200	201	163	104	40	30
Acre-ft.	9410	....	....	....	....	....	53300	40200	35600	11100	4870	2340

Discharge of North Platte River near Northgate for Year Ending Sept. 30, 1925.
Drainage Area 1,440 Square Miles. Altitude 7,600 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	104	255	....	....	....	....	849	276	1780	683	340	325
2....	112	254	....	....	....	....	780	276	1730	798	335	295
3....	122	253	....	....	....	....	700	300	1250	858	345	459
4....	136	249	....	....	....	....	640	291	990	814	366	558
5....	155	240	....	....	....	....	680	272	1750	912	411	524
6....	230	236	....	....	....	....	720	281	1860	814	465	453
7....	310	236	....	....	....	....	800	325	2500	675	453	400
8....	400	253	....	....	....	....	810	372	1850	572	394	383
9....	361	281	....	....	....	....	820	388	1250	517	335	356
10....	305	281	....	....	....	....	830	484	912	465	335	330
11....	258	....	....	....	....	....	850	510	876	465	359	305
12....	232	....	....	....	....	....	894	551	894	530	383	281
13....	224	....	....	....	....	....	960	498	960	565	423	267
14....	224	....	....	....	....	....	950	453	858	478	417	272
15....	211	....	....	....	....	....	912	530	885	417	366	366
16....	211	....	....	....	....	....	903	638	921	411	377	491
17....	211	....	....	....	....	....	858	660	1000	394	388	447
18....	224	....	....	....	....	....	876	579	1040	417	372	383
19....	267	....	....	....	....	....	867	544	1000	435	372	330
20....	305	....	....	....	....	....	739	622	1260	441	510	325
21....	320	....	....	....	....	....	630	723	1310	530	638	459
22....	330	....	....	....	....	....	572	980	1720	593	630	537
23....	315	....	....	....	....	....	565	1120	1850	652	537	429
24....	305	....	....	....	....	....	478	1020	1410	579	423	388
25....	286	....	....	....	....	....	423	1050	1040	510	366	356
26....	272	....	....	....	....	....	356	1160	885	453	388	325
27....	262	....	....	....	....	....	335	1200	723	417	411	291
28....	245	....	....	....	....	....	320	1210	615	388	423	267
29....	250	....	....	....	....	....	1250	315	1260	593	361	429
30....	252	....	....	....	....	....	1040	295	1350	715	350	400
31....	256	....	....	....	....	....	894	....	1480	....	345	....
Total	7695	2538	....	....	....	3184	20727	21403	36427	16839	12757	11079
Mean..	248	254	....	....	....	....	691	690	1210	543	412	369
Max..	400	281	....	....	....	....	960	1480	2500	912	638	558
Min...	104	236	....	....	....	....	295	272	593	345	335	228
Acre-ft	15200	5040	....	....	....	....	41100	42400	72000	33400	25300	22000

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North Platte River near Northgate for Year Ending Sept. 30, 1926
Drainage Area 1,440 Square Miles. Altitude 7,600 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	228	352	....	....	....	....	360	1700	3380	1290	438	128
2....	217	346	....	....	....	....	360	1900	3110	1280	374	128
3....	210	340	....	....	....	....	360	1900	3110	1080	362	128
4....	196	325	....	....	....	....	360	1830	3110	912	330	128
5....	217	320	....	....	....	....	360	1830	3020	1140	325	128
6....	890	320	....	....	....	....	1200	1820	2750	1370	335	145
7....	837	320	....	....	....	....	1200	1800	2840	1320	340	145
8....	640	....	....	....	....	....	1200	1500	3110	1900	362	145
9....	480	....	....	....	....	....	1200	1380	3380	2250	396	145
10....	450	....	....	....	....	....	1200	1240	3200	1830	492	145
11....	500	....	....	....	....	....	2200	1060	2750	1540	520	131
12....	510	....	....	....	....	....	2200	969	2500	1330	450	128
13....	500	....	....	....	....	....	2200	819	2500	1200	390	129
14....	464	....	....	....	....	....	2200	697	2580	1100	357	129
15....	430	....	....	....	....	....	2200	608	2500	978	310	122
16....	400	....	....	....	....	....	2500	552	2030	922	285	115
17....	400	....	....	....	....	....	2800	680	1700	828	285	110
18....	390	....	....	....	....	....	2930	998	1460	765	269	108
19....	390	....	....	....	....	....	2400	1120	1250	632	253	104
20....	390	....	....	....	....	....	2400	1360	1020	600	245	101
21....	390	....	....	....	....	....	2400	1680	931	584	242	94
22....	395	....	....	....	....	....	2400	1830	819	576	220	92
23....	398	....	....	....	....	....	2400	1900	722	568	202	90
24....	415	....	....	....	....	....	2400	2100	624	539	192	88
25....	430	....	....	....	....	....	1610	2410	616	499	186	86
26....	420	....	....	....	....	....	1550	2580	592	499	176	96
27....	400	....	....	....	....	....	1630	3290	552	471	160	104
28....	390	....	....	....	....	....	1680	5300	528	426	146	111
29....	385	....	....	....	....	....	1620	5300	520	444	134	113
30....	370	....	....	....	....	....	1690	4560	592	528	130	108
31....	360	....	....	....	....	....	....	3960	....	513	126	....
Total	13092	....	....	....	....	....	51210	60743	57796	29911	9032	3524
Mean.	422	....	....	....	....	....	1710	1960	1930	965	291	117
Max..	890	....	....	....	....	....	2930	5300	3380	2250	520	....
Min..	196	....	....	....	....	....	....	552	520	426	126	86
Acre-ft	25900	....	....	....	....	....	102000	121000	115000	59300	17900	6960

Discharge of Roaring Fork near Walden for Year Ending Sept. 30, 1925.
Drainage Area 84 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	17	....	....	....	....	....	64	17	247	78	50	58
2....	17	....	....	....	....	....	67	18	223	82	48	62
3....	18	....	....	....	....	....	68	24	160	78	51	140
4....	20	....	....	....	....	....	76	25	330	92	61	120
5....	22	....	....	....	....	....	94	24	300	91	70	91
6....	23	....	....	....	....	....	105	22	285	78	63	83
7....	22	....	....	....	....	....	70	25	250	61	68	75
8....	75	....	....	....	....	....	45	28	200	58	61	75
9....	60	....	....	....	....	....	53	30	120	57	58	75
10....	22	....	....	....	....	....	63	33	63	53	63	71
11....	20	....	....	....	....	....	75	60	100	61	78	64
12....	20	....	....	....	....	....	90	50	123	82	78	60
13....	24	....	....	....	....	....	120	40	100	68	73	71
14....	24	....	....	....	....	....	100	30	104	60	64	85
15....	25	....	....	....	....	....	84	45	166	58	57	80
16....	25	....	....	....	....	....	78	60	200	58	51	66
17....	25	....	....	....	....	....	75	26	207	64	45	60
18....	25	....	....	....	....	....	76	35	205	68	42	58
19....	27	....	....	....	....	....	66	61	230	68	57	119
20....	30	....	....	....	....	....	58	127	221	71	76	170
21....	50	....	....	....	....	....	53	127	247	82	80	123
22....	40	....	....	....	....	....	47	195	320	92	60	89
23....	35	....	....	....	....	....	28	151	230	91	58	80
24....	31	....	....	....	....	....	25	147	198	78	58	68
25....	30	....	....	....	....	....	22	164	155	70	61	61
26....	32	....	....	....	....	....	20	193	139	61	70	58
27....	37	....	....	....	....	....	19	195	115	60	61	50
28....	38	....	....	....	....	....	18	240	106	60	73	46
29....	38	....	....	....	....	....	18	272	75	59	73	43
30....	37	....	....	....	....	....	18	280	76	56	61	43
31....	37	....	....	....	....	....	....	306	....	53	60	....
Total	943	....	....	....	....	....	1795	3050	5495	2148	1929	2341
Mean.	30.4	....	....	....	....	....	59.8	98.4	183	69.3	62.2	78.1
Max..	75	....	....	....	....	....	120	306	330	92	80	170
Min..	17	....	....	....	....	....	18	17	63	53	42	43
Acre-ft	1870	....	....	....	....	....	3560	6050	10900	4260	3820	4650

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Roaring Fork near Walden for Year Ending Sept. 30, 1926.
Drainage Area 84 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	43	50	....	....	....	....	50	159	312	157	60	25
2....	43	47	....	....	....	....	50	184	358	106	59	22
3....	39	47	....	....	....	....	50	197	383	96	59	21
4....	37	43	....	....	....	....	50	207	355	94	64	28
5....	57	37	....	....	....	....	50	214	340	182	59	28
6....	230	43	....	....	....	....	50	224	320	201	60	23
7....	135	48	....	....	....	....	60	172	360	170	69	25
8....	107	42	....	....	....	....	64	148	380	240	64	30
9....	96	43	....	....	....	....	146	128	365	138	76	24
10....	96	42	....	....	....	....	201	104	350	120	77	21
11....	98	42	....	....	....	....	205	92	332	100	67	22
12....	91	46	....	....	....	....	205	79	332	94	60	23
13....	83	43	....	....	....	....	170	70	279	87	59	24
14....	78	50	....	....	....	....	153	62	303	72	53	23
15....	73	57	....	....	....	....	195	64	273	62	46	20
16....	66	53	....	....	....	....	292	64	242	65	42	18
17....	68	51	....	....	....	....	321	106	176	65	41	18
18....	66	48	....	....	....	....	310	120	167	67	37	18
19....	68	42	....	....	....	....	297	104	148	65	34	18
20....	68	40	....	....	....	....	251	106	140	64	35	18
21....	64	40	....	....	....	....	255	186	106	64	37	17
22....	64	40	....	....	....	....	214	195	96	62	37	18
23....	64	38	....	....	....	....	201	224	94	59	35	18
24....	63	38	....	....	....	....	155	268	94	59	34	18
25....	48	38	....	....	....	....	151	297	98	58	32	18
26....	57	38	....	....	....	....	157	295	102	50	30	18
27....	55	37	....	....	....	....	170	310	94	47	28	18
28....	55	36	....	....	....	....	146	355	94	58	25	18
29....	64	37	....	....	....	....	144	262	92	60	26	18
30....	58	38	....	....	....	....	159	253	126	58	26	19
31....	54	....	....	....	....	....	....	290	....	58	26	....
Total	2288	1294	....	....	....	....	4922	5539	6911	2878	1457	632
Mean.	73.8	43.1	....	....	....	....	164	179	230	92.8	47.0	21.1
Max..	230	57	....	....	....	....	321	355	383	240	77	30
Min..	37	36	....	....	....	....	50	62	92	47	25	77
Acre-ft.	4540	2560	....	....	....	....	9760	11000	13700	5710	2890	1260

Discharge of North Fork of North Platte River near Walden for Year Ending Sept. 30, 1925.
Drainage Area, 168 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	23	49	....	....	....	....	90	30	207	173	91	70
2....	28	43	....	....	....	....	85	31	197	173	86	74
3....	30	46	....	....	....	....	78	36	110	166	99	152
4....	31	48	....	....	....	....	99	33	69	297	99	122
5....	37	46	....	....	....	....	115	27	240	220	120	106
6....	37	....	....	....	....	....	123	27	229	177	122	86
7....	35	....	....	....	....	....	73	27	223	155	106	76
8....	98	....	....	....	....	....	57	33	112	150	91	70
9....	85	....	....	....	....	....	64	40	82	148	81	72
10....	52	....	....	....	....	....	78	45	56	150	82	66
11....	42	....	....	....	....	....	96	50	48	165	95	66
12....	37	....	....	....	....	....	127	40	64	195	103	64
13....	41	....	....	....	....	....	132	33	78	160	97	71
14....	46	....	....	....	....	....	115	25	66	140	84	101
15....	45	....	....	....	....	....	90	35	74	123	79	84
16....	50	....	....	....	....	....	76	50	91	123	71	70
17....	49	....	....	....	....	....	72	40	108	123	65	61
18....	48	....	....	....	....	....	76	27	114	138	65	61
19....	50	....	....	....	....	....	51	24	130	137	90	66
20....	60	....	....	....	....	....	45	29	159	140	133	160
21....	67	....	....	....	....	....	46	33	184	172	124	120
22....	59	....	....	....	....	....	43	80	220	180	90	95
23....	49	....	....	....	....	....	36	90	291	164	80	91
24....	42	....	....	....	....	....	33	57	202	135	75	86
25....	42	....	....	....	....	....	40	55	153	131	76	79
26....	43	....	....	....	....	....	37	66	148	120	83	76
27....	40	....	....	....	....	....	36	93	151	114	76	72
28....	50	....	....	....	....	....	36	93	142	104	84	66
29....	49	....	....	....	....	....	33	121	132	103	86	61
30....	48	....	....	....	....	....	29	146	144	106	81	64
31....	48	....	....	....	....	....	....	184	....	103	74	....
Total	1470	232	....	....	....	....	2111	1700	4224	4685	2788	2508
Mean.	47.4	46.4	....	....	....	....	70.4	54.8	141	151	89.9	83.6
Max..	98	....	....	....	....	....	132	184	291	297	133	160
Min..	23	....	....	....	....	....	29	24	48	103	65	61
Acre-ft.	2910	460	....	....	....	....	4190	3370	8390	9280	5530	4970

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North Fork of North Platte River near Walden for Year Ending Sept. 30, 1926.
Drainage Area, 168 Square Miles. Altitude, . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	64	77	....	....	....	....	70	225	214	358	102	45
2....	62	76	....	....	....	....	70	284	220	228	97	42
3....	62	76	....	....	....	....	70	231	242	165	94	41
4....	62	70	....	....	....	....	70	201	250	162	100	49
5....	88	70	....	....	....	....	70	193	242	278	102	45
6....	273	75	....	....	....	....	70	174	247	355	116	37
7....	169	70	....	....	....	....	90	140	299	270	116	38
8....	124	70	....	....	....	....	114	130	339	355	111	44
9....	114	66	....	....	....	....	126	114	345	287	122	38
10....	112	66	....	....	....	....	174	87	305	290	116	32
11....	118	68	....	....	....	....	188	81	264	231	105	34
12....	112	....	....	....	....	....	212	76	290	174	92	40
13....	108	....	....	....	....	....	196	54	270	178	97	39
14....	93	....	....	....	....	....	188	40	314	178	92	39
15....	91	....	....	....	....	....	231	39	250	167	83	37
16....	86	....	....	....	....	....	300	42	209	174	76	35
17....	86	....	....	....	....	....	340	73	174	174	73	35
18....	90	....	....	....	....	....	500	114	153	165	71	34
19....	81	....	....	....	....	....	636	102	138	158	70	34
20....	104	....	....	....	....	....	546	86	124	162	76	33
21....	103	....	....	....	....	....	539	153	113	160	74	33
22....	95	....	....	....	....	....	452	134	100	145	67	33
23....	91	....	....	....	....	....	414	124	94	130	65	28
24....	88	....	....	....	....	....	320	136	98	128	60	24
25....	85	....	....	....	....	....	290	160	107	122	60	24
26....	90	....	....	....	....	....	284	172	113	113	57	24
27....	95	....	....	....	....	....	287	209	122	109	55	24
28....	95	....	....	....	....	....	250	388	126	134	48	21
29....	116	....	....	....	....	....	242	287	128	138	47	19
30....	88	....	....	....	....	....	242	233	172	130	46	19
31....	88	....	....	....	....	....	....	222	....	111	46	....
Total	3133	....	....	....	....	....	7581	4704	6062	5929	2536	1020
Mean	101	....	....	....	....	....	253	152	202	191	81.8	34.0
Max.	273	....	....	....	....	....	636	388	345	358	122	49
Min.	62	....	....	....	....	....	70	39	94	109	46	19
Acres-ft.	6210	....	....	....	....	....	15100	9350	12000	11700	5030	2020

Discharge of Illinois Creek at Walden for Year Ending Sept. 30, 1925.
Drainage Area, 254 Square Miles. Altitude, 8,300 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	8	32	....	....	....	....	271	27	126	41	21	31
2....	8	39	....	....	....	....	264	27	153	39	22	24
3....	9	39	....	....	....	....	156	28	121	36	21	30
4....	11	32	....	....	....	....	113	29	134	36	21	67
5....	14	30	....	....	....	....	271	38	218	62	22	52
6....	18	28	....	....	....	....	258	16	224	62	23	42
7....	21	23	....	....	....	....	252	43	364	66	24	38
8....	25	23	....	....	....	....	239	39	381	69	24	31
9....	25	23	....	....	....	....	173	36	261	62	22	29
10....	28	28	....	....	....	....	113	36	197	58	21	28
11....	32	23	....	....	....	....	153	36	83	47	29	27
12....	30	23	....	....	....	....	212	34	67	44	38	23
13....	23	20	....	....	....	....	139	30	64	41	52	25
14....	26	20	....	....	....	....	131	20	69	35	55	30
15....	27	12	....	....	....	....	108	14	59	33	50	33
16....	20	12	....	....	....	....	134	12	50	29	35	46
17....	20	12	....	....	....	....	123	17	47	31	31	34
18....	17	12	....	....	....	....	129	30	47	29	26	31
19....	17	8	....	....	....	....	123	17	44	31	28	32
20....	9	8	....	....	....	....	76	17	56	31	41	34
21....	18	8	....	....	....	....	72	27	64	33	62	33
22....	30	8	....	....	....	....	69	32	170	31	53	32
23....	30	8	....	....	....	....	66	70	246	35	46	29
24....	27	8	....	....	....	....	62	72	185	59	32	28
25....	27	8	....	....	....	....	51	71	136	58	43	25
26....	32	8	....	....	....	....	62	72	111	44	47	24
27....	32	6	....	....	....	....	44	69	52	28	50	26
28....	32	6	....	....	....	....	42	66	50	29	44	22
29....	39	6	....	....	....	....	36	62	47	28	42	24
30....	39	6	....	....	....	....	30	66	44	26	39	22
31....	32	....	....	....	....	....	....	61	....	22	31	....
Total	726	519	....	....	....	....	3972	1250	3870	1275	1095	952
Mean	23.4	17.3	....	....	....	....	132	40.3	129	41.1	35.2	31.7
Max.	39	39	....	....	....	....	271	74	381	69	62	67
Min.	8	6	....	....	....	....	30	12	41	22	21	22
Acres-ft.	1410	1030	....	....	....	....	7860	2180	7680	2530	2170	1890

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Illinois Creek at Walden for Year Ending Sept. 30, 1926.
Drainage Area, 254 Square Miles. Altitude, 8,300 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	25	39	....	....	....	....	75	203	480	142	46	2
2....	25	39	....	....	....	....	80	218	440	158	39	3
3....	23	36	....	....	....	....	90	218	421	158	36	2
4....	23	36	....	....	....	....	100	218	440	173	40	4
5....	28	39	....	....	....	....	200	218	421	140	40	8
6....	53	36	....	....	....	....	300	249	421	153	37	11
7....	56	36	....	....	....	....	500	265	402	203	34	10
8....	46	39	....	....	....	....	600	282	402	348	32	16
9....	43	36	....	....	....	....	622	282	421	365	49	18
10....	39	34	....	....	....	....	600	249	460	249	68	16
11....	43	34	....	....	....	....	580	176	460	249	68	8
12....	41	32	....	....	....	....	402	168	348	190	56	7
13....	40	30	....	....	....	....	314	128	331	158	53	6
14....	41	28	....	....	....	....	265	106	365	166	37	8
15....	36	27	....	....	....	....	233	104	384	132	36	5
16....	34	....	....	....	....	....	265	100	298	110	34	6
17....	32	....	....	....	....	....	314	94	233	98	30	7
18....	36	....	....	....	....	....	331	108	190	90	26	6
19....	41	....	....	....	....	....	282	138	168	82	26	6
20....	43	....	....	....	....	....	265	153	119	71	26	4
21....	46	....	....	....	....	....	314	168	104	66	22	2
22....	48	....	....	....	....	....	314	203	82	61	20	2
23....	48	....	....	....	....	....	249	249	64	55	18	2
24....	46	....	....	....	....	....	203	265	58	50	23	4
25....	51	....	....	....	....	....	176	282	53	46	14	5
26....	51	....	....	....	....	....	158	365	50	42	10	6
27....	48	....	....	....	....	....	145	480	46	40	8	7
28....	41	....	....	....	....	....	163	1580	42	56	7	11
29....	43	....	....	....	....	....	176	830	43	58	5	13
30....	36	....	....	....	....	....	176	690	49	61	3	14
31....	39	....	....	....	....	....	....	622	....	55	2	....
Total	1245	....	....	....	....	....	8492	9411	7795	4025	945	219
Mean.	40.2	....	....	....	....	....	283	304	260	130	30.5	7.3
Max..	56	....	....	....	....	....	622	1580	480	365	68	18
Min..	23	....	....	....	....	....	75	94	42	40	2	2
Acre-ft.	2470	....	....	....	....	....	16800	18700	15500	7990	1880	434

Discharge of Michigan River near Walden for Year Ending Sept. 30, 1925.
Drainage Area, 185 Square Miles. Altitude, 8,300 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	16	69	....	....	....	....	130	61	348	111	45	58
2....	19	67	....	....	....	....	130	63	284	105	46	56
3....	18	63	....	....	....	....	140	64	204	142	46	71
4....	21	58	....	....	....	....	150	61	169	135	54	95
5....	20	57	....	....	....	....	172	54	256	138	64	91
6....	20	54	....	....	....	....	226	51	352	120	58	83
7....	19	47	....	....	....	....	142	46	520	100	53	76
8....	71	49	....	....	....	....	132	54	490	88	49	67
9....	54	50	....	....	....	....	93	57	302	81	51	63
10....	45	....	....	....	....	....	100	56	208	64	57	60
11....	41	....	....	....	....	....	123	67	155	78	66	56
12....	42	....	....	....	....	....	162	61	211	91	93	51
13....	38	....	....	....	....	....	149	49	211	76	108	61
14....	35	....	....	....	....	....	135	44	197	64	100	83
15....	36	....	....	....	....	....	152	79	190	61	83	91
16....	38	....	....	....	....	....	172	100	176	63	79	78
17....	41	....	....	....	....	....	142	117	190	56	67	67
18....	38	....	....	....	....	....	166	100	200	56	60	66
19....	44	....	....	....	....	....	111	88	204	60	74	76
20....	47	....	....	....	....	....	105	108	208	95	105	71
21....	56	....	....	....	....	....	86	149	272	93	132	66
22....	58	....	....	....	....	....	103	122	343	103	111	61
23....	57	....	....	....	....	....	93	200	375	100	91	60
24....	60	....	....	....	....	....	86	190	366	78	79	57
25....	58	....	....	....	....	....	71	226	226	67	78	56
26....	54	....	....	....	....	....	69	190	183	61	83	51
27....	51	....	....	....	....	....	69	183	145	54	91	50
28....	51	....	....	....	....	....	67	176	138	51	88	47
29....	50	....	....	....	....	....	57	208	98	49	78	46
30....	60	....	....	....	....	....	57	280	108	49	71	42
31....	71	....	....	....	....	....	....	325	....	46	64	....
Total	1329	514	....	....	....	....	3590	3629	7329	2535	2324	1956
Mean	42.9	57.1	....	....	....	....	120	117	244	81.8	75.0	65.2
Max..	71	69	....	....	....	....	226	325	520	142	132	95
Min..	16	47	....	....	....	....	57	44	98	46	45	42
Acre-ft.	2640	1020	....	....	....	....	7140	7190	14500	5030	4610	3880

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Michigan River near Walden for Year Ending Sept. 30, 1926.
Drainage Area, 185 Square Miles. Altitude, 8,300 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	40	54	....	....	....	....	90	248	570	338	78	24
2....	39	52	....	....	....	....	100	260	530	415	71	21
3....	35	....	....	....	....	....	110	256	535	312	66	22
4....	35	....	....	....	....	....	130	268	545	260	69	26
5....	46	....	....	....	....	....	160	276	515	298	71	29
6....	86	....	....	....	....	....	200	290	520	302	65	28
7....	78	....	....	....	....	....	290	300	530	352	62	29
8....	71	....	....	....	....	....	361	280	600	490	60	35
9....	62	....	....	....	....	....	302	175	632	485	75	37
10....	56	....	....	....	....	....	284	160	605	395	90	31
11....	58	....	....	....	....	....	284	135	540	334	100	28
12....	60	....	....	....	....	....	260	114	510	240	86	28
13....	60	....	....	....	....	....	218	103	500	218	76	29
14....	58	....	....	....	....	....	186	91	520	190	69	29
15....	55	....	....	....	....	....	166	79	530	180	61	26
16....	55	....	....	....	....	....	176	81	480	166	60	24
17....	54	....	....	....	....	....	233	100	400	162	56	23
18....	54	....	....	....	....	....	240	123	310	145	52	23
19....	61	....	....	....	....	....	229	162	260	129	49	22
20....	62	....	....	....	....	....	211	183	204	129	49	21
21....	60	....	....	....	....	....	222	215	197	135	46	20
22....	60	....	....	....	....	....	218	260	172	129	42	20
23....	60	....	....	....	....	....	260	294	138	123	41	19
24....	55	....	....	....	....	....	218	370	126	129	39	18
25....	56	....	....	....	....	....	176	480	123	111	36	18
26....	57	....	....	....	....	....	162	620	120	100	35	19
27....	57	....	....	....	....	....	183	860	120	100	32	22
28....	58	....	....	....	....	....	190	806	130	126	30	22
29....	61	....	....	....	....	....	204	806	170	81	28	22
30....	58	....	....	....	....	....	233	722	222	81	28	23
31....	52	....	....	....	....	....	....	626	....	79	26	....
Total	1759	....	....	....	....	....	6296	9743	11354	6734	1748	738
Mean	56.7	....	....	....	....	....	210	314	378	217	56.4	24.6
Max.	86	....	....	....	....	....	361	860	632	490	100	37
Min.	35	....	....	....	....	....	90	79	120	79	26	18
Acre-ft.	3490	....	....	....	....	....	12500	19300	22500	13300	3470	1460

Discharge of Laramie River near Glendevy for Year Ending Sept. 30, 1925.
Drainage Area, 101 Square Miles. Altitude, 8,231 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	33	....	....	....	....	....	....	102	205	120	41	39
2....	37	....	....	....	....	....	....	124	180	132	40	39
3....	35	29	....	....	....	....	....	116	158	126	46	58
4....	32	....	....	....	....	....	....	95	153	120	56	78
5....	28	....	....	....	....	....	....	132	188	120	60	58
6....	25	....	....	....	....	....	....	113	219	107	62	46
7....	22	....	....	....	....	....	....	170	234	90	46	39
8....	80	....	....	....	....	....	....	175	200	78	43	39
9....	60	....	....	....	....	....	....	170	183	74	42	36
10....	52	29	....	....	....	....	....	165	162	71	43	35
11....	45	29	....	....	....	....	....	145	174	72	99	35
12....	42	....	....	....	....	....	....	140	164	79	90	34
13....	41	....	....	....	....	....	....	138	138	69	64	45
14....	42	....	....	....	....	....	....	124	136	62	54	50
15....	50	....	....	....	....	....	....	107	169	61	48	44
16....	59	....	....	....	....	....	....	126	178	64	40	34
17....	55	....	....	....	....	....	....	178	174	64	35	32
18....	61	28	....	....	....	....	....	147	167	60	35	33
19....	53	28	....	....	....	....	....	153	174	58	48	50
20....	45	26	....	....	....	....	....	171	175	66	66	46
21....	40	25	....	....	....	....	....	202	167	69	56	42
22....	43	....	....	....	....	....	....	213	188	67	44	61
23....	41	....	....	....	....	....	....	192	185	59	41	67
24....	39	....	....	....	....	....	....	202	140	53	41	52
25....	35	....	....	....	....	....	....	208	122	51	50	37
26....	35	....	....	....	....	....	....	205	116	46	57	35
27....	35	....	....	....	....	....	....	208	113	44	59	32
28....	25	....	....	....	....	....	....	228	104	43	66	31
29....	25	....	....	....	....	....	....	84	237	106	43	54
30....	25	....	....	....	....	....	....	87	228	97	43	46
31....	35	....	....	....	....	....	....	216	....	45	41	....
Total	1305	....	....	....	....	....	....	5130	4872	2256	1613	1289
Mean	42.1	27	....	....	....	....	....	165	162	72.8	52.0	43.0
Max.	80	....	....	....	....	....	....	237	234	132	99	78
Min.	22	....	....	....	....	....	....	95	97	43	35	31
Acre-ft.	2590	1610	....	....	....	....	....	10100	9640	4480	3200	2560

Unless otherwise noted, all discharges are in cubic feet per second

Discharge of Laramie River near Glendevoy for Year Ending Sept. 30, 1926.
Drainage Area, 101 Square Miles. Altitude, 8,231 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	31	46	....	....	....	....	25	146	720	203	63	26
2....	29	45	....	....	....	....	25	166	750	155	59	26
3....	28	46	....	....	....	....	25	182	720	144	60	26
4....	28	42	....	....	....	....	25	236	720	119	63	30
5....	39	42	....	....	....	....	25	304	660	99	60	28
6....	113	38	....	....	....	....	35	327	720	103	61	24
7....	71	32	....	....	....	....	35	261	750	159	67	30
8....	56	30	....	....	....	....	35	223	750	164	67	34
9....	49	29	....	....	....	....	35	187	635	220	68	26
10....	52	27	....	....	....	....	35	166	570	229	66	24
11....	58	27	....	....	....	....	43	166	530	153	61	25
12....	56	29	....	....	....	....	45	155	515	133	54	29
13....	51	28	....	....	....	....	44	140	510	125	49	30
14....	53	....	....	....	....	....	40	138	510	113	45	29
15....	48	....	....	....	....	....	48	168	406	113	42	26
16....	46	....	....	....	....	....	64	206	348	105	42	25
17....	47	....	....	....	....	....	72	214	392	99	40	24
18....	46	....	....	....	....	....	79	195	378	89	39	24
19....	46	....	....	....	....	....	81	214	388	85	41	22
20....	46	....	....	....	....	....	82	323	370	82	41	21
21....	45	....	....	....	....	....	89	485	308	84	36	20
22....	47	....	....	....	....	....	81	560	278	85	34	20
23....	50	....	....	....	....	....	82	630	251	84	34	23
24....	47	....	....	....	....	....	72	655	195	79	33	34
25....	40	....	....	....	....	....	75	660	192	74	31	31
26....	43	....	....	....	....	....	77	690	195	70	31	31
27....	42	....	....	....	....	....	92	750	203	72	30	32
28....	45	....	....	....	....	....	85	780	209	91	30	32
29....	52	....	....	....	....	....	97	720	217	85	29	34
30....	48	....	....	....	....	....	127	690	239	80	27	36
31....	47	....	....	....	....	....	....	690	....	68	26	....
Total	1499	....	....	....	....	....	1775	11427	13629	3564	1429	822
Mean..	48.4	....	....	....	....	....	59.2	369	454	115	46.1	27.4
Max..	113	....	....	....	....	....	127	780	750	229	68	36
Min..	28	....	....	....	....	....	....	138	192	68	26	20
Acre-ft.	2980	....	....	....	....	....	3520	22700	27000	7070	2830	1630

Discharge of Laramie River near Jelm, Wyo., for Year Ending Sept. 30, 1925.
Drainage Area, 297 Square Miles. Altitude, 7,730 Feet About Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	60	....	....	....	....	....	....	172	528	220	98	86
2....	60	....	....	....	....	....	....	195	468	257	92	83
3....	61	....	....	....	....	....	....	231	380	238	94	138
4....	61	....	....	....	....	....	....	198	355	261	125	161
5....	60	....	....	....	....	....	....	211	552	231	136	129
6....	61	....	....	....	....	....	....	217	616	204	169	108
7....	63	....	....	....	....	....	....	211	656	167	132	94
8....	....	....	....	....	....	....	....	265	516	154	127	86
9....	....	....	....	....	....	....	....	270	492	141	112	83
10....	....	....	....	....	....	....	....	265	456	132	102	81
11....	....	....	....	....	....	....	....	250	434	127	189	79
12....	....	....	....	....	....	....	....	242	428	158	208	75
13....	....	....	....	....	....	....	....	250	375	144	151	81
14....	....	....	....	....	....	....	....	257	350	125	129	112
15....	....	....	....	....	....	....	....	246	380	123	114	100
16....	....	....	....	....	....	....	....	231	395	138	100	86
17....	....	....	....	....	....	....	....	275	400	144	90	75
18....	....	....	....	....	....	....	....	340	365	132	84	72
19....	....	....	....	....	....	....	....	300	370	123	96	102
20....	....	....	....	....	....	....	....	360	390	146	146	116
21....	....	....	....	....	....	....	....	434	370	198	123	100
22....	....	....	....	....	....	....	....	516	400	169	106	90
23....	....	....	....	....	....	....	....	462	417	151	96	105
24....	....	....	....	....	....	....	....	498	365	129	90	145
25....	....	....	....	....	....	....	....	504	282	116	108	100
26....	....	....	....	....	....	....	....	510	270	104	121	79
27....	....	....	....	....	....	....	....	455	246	98	106	79
28....	....	....	....	....	....	....	....	492	224	94	114	73
29....	....	....	....	....	....	....	....	528	214	90	118	70
30....	....	....	....	....	....	....	....	151	516	217	94	102
31....	....	....	....	....	....	....	....	510	....	100	92	....
Total	426	....	....	....	....	....	....	10411	11911	4708	3670	2858
Mean..	60.9	....	....	....	....	....	....	336	397	152	118	95.3
Max..	63	....	....	....	....	....	....	528	656	261	208	161
Min..	60	....	....	....	....	....	....	172	214	90	84	70
Acre-ft.	846	....	....	....	....	....	....	20700	23600	9350	7260	5670

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Laramie River near Jelm, Wyo., for Year Ending Sept. 30, 1926.
Drainage Area, 297 Square Miles. Altitude, 7,730 Feet About Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	63	117	....	....	....	....	75	336	1440	622	137	56
2....	61	97	....	....	....	....	75	412	1440	456	129	56
3....	58	92	....	....	....	....	75	480	1340	434	132	58
4....	56	88	....	....	....	....	75	583	1260	406	134	60
5....	72	92	....	....	....	....	75	691	1170	350	129	60
6....	265	120	....	....	....	....	110	777	1260	400	129	54
7....	164	108	....	....	....	....	110	660	1410	522	134	54
8....	132	115	....	....	....	....	110	520	1470	474	129	95
9....	115	106	....	....	....	....	110	450	1320	456	132	70
10....	106	101	....	....	....	....	110	410	1180	558	127	61
11....	115	88	....	....	....	....	160	390	1000	365	120	60
12....	132	82	....	....	....	....	160	370	992	295	110	61
13....	112	....	....	....	....	....	160	336	948	274	106	63
14....	106	....	....	....	....	....	160	335	1080	265	99	60
15....	108	....	....	....	....	....	167	440	761	253	95	58
16....	103	....	....	....	....	....	204	490	663	238	92	54
17....	88	....	....	....	....	....	220	510	609	211	88	54
18....	97	....	....	....	....	....	211	500	596	195	84	46
19....	95	....	....	....	....	....	208	540	564	189	80	45
20....	95	....	....	....	....	....	208	642	546	178	86	42
21....	90	....	....	....	....	....	257	917	486	183	78	44
22....	99	....	....	....	....	....	224	1040	450	195	78	45
23....	106	....	....	....	....	....	231	1210	417	178	72	46
24....	106	....	....	....	....	....	183	1470	385	172	68	48
25....	97	....	....	....	....	....	175	1550	375	164	65	60
26....	99	....	....	....	....	....	189	1580	355	158	65	61
27....	99	....	....	....	....	....	220	1790	340	161	63	63
28....	95	....	....	....	....	....	224	1990	345	192	61	61
29....	110	....	....	....	....	....	250	1690	350	208	60	61
30....	101	....	....	....	....	....	295	1520	350	178	58	63
31....	110	....	....	....	....	....	....	1490	....	150	56	....
Total	3255	....	....	....	....	....	5031	26119	24902	9080	2996	1719
Mean.	105	....	....	....	....	....	168	843	830	293	96.6	57.3
Max.	265	....	....	....	....	....	295	1990	1470	622	137	95
Min.	56	....	....	....	....	....	....	335	340	150	56	42
Acres-ft.	6460	....	....	....	....	....	10000	51800	49400	18000	5940	3410

Unless otherwise noted, all discharges are in cubic feet per second.

ARKANSAS RIVER DRAINAGE

ARKANSAS RIVER AT GRANITE

Location—At Granite in Sec. 31, T. 11 S., R. 79 W.

Records Available—May 1, 1897, to September 10, 1899; April 6, 1910, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

ARKANSAS RIVER AT SALIDA

Location—In the City Park at Salida.

Records Available—April 11, 1895, to October 31, 1903; November 3, 1909, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

ARKANSAS RIVER AT CANON CITY

Location—Opposite the Southern Colorado Power Plant at Canon City.

Records Available—May 1, 1888, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

ARKANSAS RIVER AT PUEBLO

Location—At South Side water-works intake.

Records Available—May 1, 1885, to September 30, 1886; September 19, 1894, to September 30, 1926. A station was maintained 9 miles above Pueblo from June 1 to September 30, 1887, and May 1, to August 31, 1889.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the Arkansas Valley Ditch Association.

ARKANSAS RIVER NEAR NEPESTA

Location—At Oxford Farmers Canal Company's dam in Sec. 31, T. 21 S., R. 60 W. Records corrected for Oxford Farmers Canal waste water. Prior to 1918 records not corrected for waste water.

Records Available—September 8, 1897, to October 31, 1903; July 14, 1909, to November 30, 1912; January 1, 1914, to September 30, 1926. From 1918 to June 4, 1921, station maintained at Nepesta.

Gage—Automatic recording gage.

Accuracy—Results poor.

Co-operation—Station maintained in co-operation with Arkansas Valley Ditch Association.

ARKANSAS RIVER AT LA JUNTA

Location—At East Bridge in La Junta.

Records Available—May 20 to August 31, 1889; December 5, 1893, to December 31, 1895; 1899, to 1901; April 7, to October 31, 1903; August 27, to November 30, 1908; April 11, 1912, to September 30, 1926. This station has been maintained at different places during this time, but the records are comparable.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

Co-operation—Station maintained in co-operation with the Arkansas Valley Ditch Association.

ARKANSAS RIVER AT LAMAR

Location—At highway bridge one mile north of Lamar.

Records Available—May 11, 1913, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

Co-operation—Station maintained in co-operation with the Arkansas Valley Ditch Association.

ARKANSAS RIVER AT HOLLY

Location—At highway bridge half mile southeast of Holly in Sec. 14, T. 23 S., R. 23 W.

Records Available—October 15, 1907, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

Co-operation—Station maintained in co-operation with the Arkansas Valley Ditch Association.

GRAPE CREEK NEAR WESTCLIFFE

Location—In Sec. 36, T. 21 S., R. 73 W., Concrete weir.

Records Available—December 1, 1924, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the United States Geological Survey and Southern Colorado Power Company.

FOUNTAIN RIVER AT MANITOU

Location—In the town of Manitou at Soda Spring.

Records Available—March 17, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the Town of Manitou.

FOUNTAIN CREEK AT PUEBLO

Location—In Pueblo one-half mile above Eighth Street bridge.

Records Available—April 1, 1922, to September 30, 1925.

Gage—Staff gage.

Accuracy—Records considered poor.

ST. CHARLES RIVER AT BURNT MILL CROSSING

Location—In Sec. 8, R. 66 W., T. 23 S., at highway bridge at Burnt Mill Crossing.

Records Available—March, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

Co-operation—Station maintained in co-operation with the Arkansas Valley Protective Association.

ST. CHARLES RIVER AT MOUTH

Location—In Sec. 5, T. 21 S., R. 64 W., at Santa Fe Trail.

Records Available—April 1, 1924, to September 30, 1925.

Gage—Automatic recording gage.

Accuracy—Records considered good.

HUERFANO RIVER AT MANZANARES CROSSING

Location—In Sec. 5, T. 27 S., R. 71 W., at ford 4 miles above Redwing.

Records Available—July 14, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

Co-operation—Station maintained in co-operation with the Arkansas Valley Protective Association.

HUERFANO RIVER AT BADITO

Location—In Sec. 4, T. 27 S., R. 68 W., at Badito bridge.

Records Available—August 28, to November 30, 1912; April 1, 1923, to September 30, 1925.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

Co-operation—Station maintained in co-operation with Arkansas Valley Protective Association.

HUERFANO RIVER AT HUERFANO

Location—In Sec. 2, T. 26 S., R. 66 W.

Records Available—April 1, 1924, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

HUERFANO RIVER AT MOUTH

Location—On Santa Fe Trail highway bridge, one-half mile above mouth.

Records Available—April 1, 1922, to September 30, 1925.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

CUCHARAS RIVER AT LA VETA

Location—In Sec. 5, T. 30 S., R. 68 W., six miles above La Veta.

Records Available—January 1, 1923, to September 30, 1926.

• Gage—Vertical staff gage.

Accuracy—Records considered fair.

Co-operation—Station maintained in co-operation with Arkansas Valley Protective Association.

APISHAPA RIVER AT MOUTH

Location—In Sec. 24, T. 22 S., R. 59 W., near Santa Fe Trail.

Records Available—April 30, 1922, to September 30, 1925.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

TIMPAS CREEK AT CATLIN SIPHON

Location—In Sec. 18, T. 24 S., R. 56 W., at crossing of Catlin Ditch.

Records Available—March 1, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Note: Waste water from Catlin Ditch included in estimate.

TIMPAS CREEK AT MOUTH

• Location—In Sec. 26, T. 23 S., R. 56 W., about 1,200 feet below Santa Fe Trail.

Records Available—April 1, 1922, to September 30, 1925.

Gage—Automatic recording gage.

Accuracy—Records considered good.

CROOKED ARROYA AT MOUTH

Location—In Sec. 5, T. 24 S., R. 55 W., about 300 feet above Santa Fe Trail.

Records Available—April 1, 1922, to September 30, 1925.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

PURGATOIRE RIVER AT TRINIDAD

Location—150 feet below Main Street bridge in Trinidad.
Records Available—1897 to 1899, 1905 to 1912, April 1, 1916,
to September 30, 1926.
Gage—Automatic recording gage.
Accuracy—Records considered fair.

PURGATOIRE RIVER NEAR ALFALFA

Location—In Sec. 9, T. 33 S., R. 60 W., at head of canon.
Records Available—March 22, 1905, to September 30, 1907;
March 1, 1924 to September 30, 1926.
Gage—Automatic recording gage.
Accuracy—Records considered fair.

PURGATOIRE RIVER AT NINE MILE DAM

Location—In Sec. 26, T. 32 S., R. 54 W., just above Nine Mile
Dam and fifteen miles south of La Junta.
Records Available—October 1, 1924, to September 30, 1926.
Accuracy—Records considered fair.

PURGATOIRE RIVER NEAR MOUTH

Location—In Sec. 23, T. 23 S., R. 52 W., on highway bridge
two miles southeast of Las Animas.
Records Available—April 1, 1922, to September 30, 1926.
Gage—Automatic recording gage.
Accuracy—Records considered fair.

WILD HORSE CREEK AT MOUTH NEAR HOLLY

Location—In Sec. 15, T. 23 S., R. 42 W., one-fourth mile
southeast of Holly. This is not included in Holly record.
Records Available—October 1, 1922, to November 30, 1926.
Gage—Vertical staff gage.
Accuracy—Records considered fair.

HOLLY DRAIN NEAR COOLIDGE, KANSAS

Location—In Sec. 16, T. 23 S., R. 43 W., where Santa Fe R.
crosses Cheyenne Creek.
Records Available—January 1, 1924, to September 30, 1926.
Gage—Automatic recording gage.
Accuracy—Results considered good.
Note: Some waste water and water from Cheyenne Creek
included in this table.

Discharge of Arkansas River at Granite for Year Ending Sept. 30, 1925.
Drainage Area 431 Square Miles. Altitude 8,930 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	121	107	145	.....	.....	70	153	169	1040	879	235	249
2.....	155	109	145	.....	.....	70	138	190	1010	872	222	249
3.....	185	106	145	.....	.....	70	153	202	953	857	279	347
4.....	185	104	145	.....	62	70	178	212	916	857	279	393
5.....	179	129	110	.....	.....	70	167	222	879	864	228	374
6.....	152	129	130	.....	.....	70	156	228	800	778	202	316
7.....	117	117	110	.....	.....	70	120	264	743	695	184	267
8.....	145	111	100	.....	.....	70	92	338	682	682	225	249
9.....	140	138	100	.....	.....	70	95	304	636	604	296	209
10.....	140	145	95	.....	.....	70	102	338	636	623	308	205
11.....	116	134	95	.....	.....	72	125	474	642	723	347	202
12.....	119	127	95	.....	.....	107	145	452	591	695	312	202
13.....	109	131	100	.....	.....	95	142	407	531	623	242	209
14.....	129	134	100	.....	.....	88	112	447	507	591	292	209
15.....	140	140	100	.....	.....	79	158	458	642	554	296	181
16.....	143	145	100	.....	.....	67	181	458	736	531	474	178
17.....	150	145	95	.....	.....	58	196	432	778	560	610	196
18.....	174	117	90	.....	.....	58	175	442	835	662	560	202
19.....	155	109	80	.....	.....	59	130	519	923	636	531	209
20.....	150	109	85	.....	.....	66	109	623	1050	730	502	202
21.....	138	117	95	.....	.....	67	109	750	1120	507	496	187
22.....	136	123	110	.....	.....	79	125	764	1120	407	442	132
23.....	134	129	100	.....	.....	85	120	800	1080	361	402	158
24.....	129	131	90	.....	.....	98	150	864	1120	316	397	172
25.....	125	127	75	.....	.....	107	209	893	1100	412	388	158
26.....	125	138	70	.....	.....	102	209	923	1070	521	365	150
27.....	125	136	76	.....	.....	92	209	938	1030	496	330	148
28.....	121	138	80	.....	.....	95	205	1020	998	452	264	140
29.....	123	110	90	.....	.....	125	184	1060	968	407	205	172
30.....	131	143	100	.....	.....	145	172	1080	908	422	202	175
31.....	115	.....	110	.....	.....	125	.....	1080	.....	365	249	.....
Total	4330	3811	3191	.....	.....	2569	4589	17351	26044	18692	10364	6440
Mean.....	140	127	103	85	65	82.9	153	560	868	603	334	215
Max.....	185	145	.....	.....	.....	.....	209	1080	1120	879	610	393
Min.....	109	104	.....	.....	.....	.....	92	169	507	316	184	132
Acres-ft.	8610	7560	6330	5230	3610	5100	9100	34400	51600	37100	20500	12800

Discharge of Arkansas River at Granite for Year Ending Sept. 30, 1926.
Drainage Area 431 Square Miles. Altitude 8,930 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	199	158	.....	.....	.....	90	61	279	1180	1020	1040	319
2.....	193	132	.....	.....	.....	80	62	287	1360	1030	1060	310
3.....	212	132	.....	.....	.....	80	70	353	1240	1030	1060	279
4.....	181	109	.....	.....	.....	80	84	400	1350	1040	841	165
5.....	264	105	.....	.....	.....	80	87	442	1350	1020	629	171
6.....	283	109	.....	.....	.....	80	93	476	1340	1050	612	145
7.....	257	126	.....	.....	.....	75	99	390	1430	1110	577	134
8.....	236	109	.....	.....	.....	56	99	432	1260	1060	510	126
9.....	135	109	.....	.....	.....	90	97	406	1220	1110	487	117
10.....	135	90	.....	.....	.....	90	102	385	1090	988	688	119
11.....	150	93	.....	.....	.....	90	117	358	1040	1010	1120	131
12.....	115	95	.....	.....	.....	100	129	327	1270	988	1100	131
13.....	140	90	.....	.....	.....	110	156	315	1510	932	1090	124
14.....	136	95	.....	.....	.....	110	171	287	1200	878	1120	117
15.....	126	82	.....	.....	.....	120	210	331	1080	763	1110	110
16.....	122	90	18	.....	.....	112	215	367	916	722	1040	106
17.....	173	93	.....	.....	.....	112	310	395	777	662	980	165
18.....	142	92	.....	.....	.....	104	336	432	702	603	688	165
19.....	126	81	.....	64	.....	80	340	484	695	528	353	168
20.....	116	82	.....	.....	.....	84	319	546	688	622	344	165
21.....	125	84	.....	.....	.....	86	398	668	675	841	323	114
22.....	170	82	.....	.....	.....	80	319	844	863	908	302	104
23.....	145	82	.....	.....	.....	81	353	1110	863	900	294	97
24.....	145	85	.....	.....	76	91	315	1100	841	916	372	95
25.....	132	90	.....	.....	.....	80	327	1030	848	948	742	102
26.....	130	85	.....	.....	.....	69	319	1080	791	1000	702	108
27.....	137	85	.....	.....	.....	73	319	996	900	1030	648	114
28.....	132	75	.....	.....	.....	77	283	885	980	1020	616	122
29.....	145	82	.....	.....	.....	67	287	833	996	1020	558	117
30.....	110	81	.....	.....	.....	62	294	918	1040	1020	470	112
31.....	127	.....	.....	.....	.....	62	.....	1060	.....	996	390	.....
Total	4395	2910	.....	.....	.....	2678	6394	18240	31465	28765	21896	4379
Mean.....	143	97.0	58	65	70	86.4	213	588	1050	928	706	146
Max.....	283	158	.....	.....	.....	.....	353	1110	1510	1110	1120	349
Min.....	116	81	.....	.....	.....	.....	61	279	675	528	294	95
Acres-ft.	5729	5770	3570	4000	3890	5310	12700	36200	62500	57100	43400	8690

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Salida for Year Ending Sept. 30, 1925.
Drainage Area, 1,160 Square Miles. Altitude, 7,038 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	264	272	290	252	245	200	223	284	1510	1330	621	631
2....	272	272	294	248	245	206	234	276	1400	1270	396	631
3....	322	272	298	238	223	210	238	300	1300	1300	556	661
4....	344	257	294	245	230	210	276	387	1220	1280	621	718
5....	348	261	290	245	223	216	292	452	1190	1410	470	729
6....	348	279	286	260	216	220	256	415	1130	1290	433	702
7....	298	275	257	252	216	227	234	374	1030	1150	401	586
8....	286	257	240	220	206	234	216	452	994	1090	406	542
9....	294	272	244	234	213	216	197	470	904	1160	601	484
10....	294	314	234	223	203	197	203	470	843	1050	646	452
11....	314	306	240	230	200	197	210	616	904	1160	616	438
12....	302	290	234	216	216	190	234	651	916	1170	671	447
13....	279	310	250	227	220	203	238	591	837	1050	542	433
14....	272	322	261	230	210	200	230	586	772	994	489	442
15....	306	322	254	234	197	197	230	616	910	938	566	429
16....	318	326	247	241	197	206	252	626	1170	882	542	410
17....	310	320	214	223	197	213	264	646	1220	955	848	396
18....	344	318	240	234	200	206	272	651	1250	972	788	410
19....	370	318	218	227	200	203	264	767	1310	932	772	415
20....	357	310	209	230	210	206	248	904	1540	983	761	419
21....	339	314	224	234	210	213	234	1110	1790	1070	729	401
22....	326	322	257	241	200	216	245	1210	1820	687	692	383
23....	318	302	268	245	203	227	256	1220	1680	656	666	406
24....	310	286	247	234	210	230	260	1300	1660	547	702	442
25....	298	268	215	252	197	227	300	1320	1570	513	821	424
26....	302	290	209	245	206	223	313	1350	1530	772	876	415
27....	302	294	218	238	203	223	300	1370	1490	718	810	387
28....	298	294	237	238	203	220	300	1540	1420	682	767	365
29....	290	286	261	230	....	223	300	1600	1370	723	656	369
30....	298	294	261	252	....	234	296	1630	1410	702	616	365
31....	282	....	264	248	....	220	....	1600	....	666	606	....
Total	9605	8833	7785	7366	5899	6613	7615	25784	38090	30102	19687	14332
Mean.	310	294	251	238	211	213	254	832	1270	971	635	478
Max..	370	330	298	260	245	234	313	1630	1820	1410	876	729
Min..	264	257	209	216	197	190	197	276	772	513	396	365
Acre-ft.	19100	17500	15400	14600	11700	13100	15100	51200	75600	59700	39000	28400

Discharge of Arkansas River at Salida for Year Ending Sept. 30, 1926.
Drainage Area, 1,160 Square Miles. Altitude, 7,038 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	356	369	264	216	208	225	260	452	1890	1680	1260	553
2....	352	352	272	222	205	228	263	447	2200	1630	1310	518
3....	347	343	280	219	205	219	263	503	2130	1620	1270	503
4....	360	326	241	216	208	216	253	558	2220	1840	1330	403
5....	369	305	241	213	210	216	228	649	2330	1880	930	378
6....	480	313	248	210	210	210	225	729	2250	1840	1110	362
7....	470	338	256	210	208	208	231	711	2500	1930	1130	335
8....	475	330	248	205	205	210	246	706	2270	1930	1070	335
9....	433	321	245	210	210	210	246	660	2070	1830	1020	327
10....	378	321	245	210	208	216	240	622	1830	1630	1050	339
11....	378	292	241	213	210	216	231	595	1730	1530	1620	343
12....	369	292	245	210	210	216	234	558	1810	1640	1630	346
13....	356	292	238	205	210	213	263	563	2170	1550	1580	346
14....	369	300	241	210	210	213	294	537	1990	1440	1580	339
15....	387	292	223	205	210	210	305	532	1750	1400	1560	335
16....	387	284	223	208	205	216	335	584	1600	1300	1490	331
17....	396	280	227	210	205	208	382	563	1340	1200	1400	309
18....	401	280	227	210	202	219	420	611	1390	1060	1340	324
19....	383	276	234	208	199	222	429	655	1290	954	723	320
20....	378	272	223	213	199	219	456	1090	1260	858	677	316
21....	356	276	216	210	199	228	470	1260	1180	1170	655	316
22....	356	276	220	205	196	231	452	1520	1160	1300	616	294
23....	369	272	223	205	199	216	484	1570	1190	1270	579	287
24....	369	284	227	205	191	225	456	1790	1220	1330	548	280
25....	352	288	227	208	208	240	447	1630	1280	1320	775	280
26....	369	292	227	199	210	225	475	1730	1330	1340	942	284
27....	365	288	223	205	222	213	498	1660	1450	1400	870	291
28....	369	272	216	202	222	210	456	1470	1580	1410	822	287
29....	360	272	220	199	....	222	429	1340	1530	1360	752	291
30....	360	260	216	210	....	210	456	1470	1560	1360	683	273
31....	356	....	216	208	....	225	....	1660	....	1300	600	....
Total	11805	8958	7293	6479	5784	6755	10427	29425	51500	45302	32922	10245
Mean.	381	299	235	209	207	218	348	949	1720	1460	1060	342
Max..	480	369	280	222	222	240	498	1790	2500	1930	1630	553
Min..	347	260	216	199	191	208	225	447	1160	858	548	273
Acre-ft.	23400	17800	14400	12900	11500	13400	20700	58400	102000	89800	65200	20400

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Canon City for Year Ending Sept. 30, 1925.
Drainage Area 3,090 Square Miles. Altitude 5,363 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	240	321	372	390	350	278	222	206	1400	1310	651	563
2....	266	321	372	366	355	313	234	184	1270	1240	529	563
3....	277	315	372	366	339	328	230	184	1230	1280	653	563
4....	310	310	378	315	350	313	222	202	1130	1450	988	628
5....	315	304	366	372	344	339	255	274	1070	1500	970	651
6....	321	299	396	366	287	339	242	334	1040	1330	503	620
7....	315	310	372	343	297	344	242	292	946	1160	378	556
8....	272	293	338	288	260	355	230	283	905	1070	361	484
9....	299	282	321	304	264	394	188	366	844	1240	412	471
10....	310	293	326	321	274	334	167	344	733	1230	628	417
11....	304	332	372	310	264	302	160	435	700	1150	733	458
12....	304	315	378	288	292	274	167	556	788	1200	691	435
13....	293	326	354	250	302	292	188	556	759	1140	628	429
14....	293	338	360	321	297	278	177	484	658	967	503	400
15....	326	354	338	338	283	274	167	477	666	885	496	400
16....	354	349	332	349	283	283	164	496	885	875	458	378
17....	354	349	349	315	278	274	184	458	1090	844	549	366
18....	360	349	332	282	269	246	210	458	1120	806	683	366
19....	402	360	293	349	269	242	230	484	1170	885	643	366
20....	384	360	240	378	283	251	192	651	1330	1260	628	361
21....	402	343	220	366	297	255	167	806	1590	1720	674	344
22....	402	338	315	354	287	260	157	988	1780	864	613	344
23....	384	326	349	360	264	283	167	988	1670	708	605	378
24....	360	315	255	343	269	287	170	1090	1590	636	549	417
25....	360	310	288	366	264	251	184	1160	1600	490	674	400
26....	360	326	300	354	274	246	230	1160	1510	542	769	389
27....	349	338	288	282	287	278	238	1220	1440	778	725	366
28....	338	360	343	338	269	255	214	1260	1380	651	691	350
29....	349	378	384	349	....	238	214	1370	1370	716	628	339
30....	338	384	402	338	....	234	226	1400	1380	708	570	350
31....	354	....	408	354	....	242	....	1440	....	716	542	....
Total	10295	9898	10513	10415	8151	8882	6038	20606	35044	31351	19125	13152
Mean.	332	330	339	336	291	287	201	665	1170	1010	617	438
Max..	402	384	....	....	355	394	255	1440	1780	1720	988	651
Min..	240	282	....	....	260	234	157	184	658	490	361	339
Acre-ft	20400	19600	20800	20700	16200	17600	12000	40900	69600	62100	37900	26100

Discharge of Arkansas River at Canon City for Year Ending Sept. 30, 1926.
Drainage Area, 3,090 Square Miles. Altitude, 5,363 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	339	378	350	294	290	306	356	518	2350	1650	1090	500
2....	334	378	350	294	294	306	384	500	2860	1760	1090	471
3....	334	366	361	294	306	314	384	512	3040	1700	1070	454
4....	339	355	323	294	306	314	388	512	3000	1780	1120	471
5....	334	339	318	290	306	330	422	639	3230	2160	1050	374
6....	372	344	323	283	306	330	569	777	3150	2110	1040	352
7....	417	366	339	283	314	306	589	816	3520	2240	977	339
8....	400	378	328	279	314	306	476	725	3480	2270	1010	318
9....	429	318	318	276	314	310	417	692	3170	2030	914	318
10....	383	334	344	283	314	322	408	632	2730	1760	934	306
11....	347	339	355	276	314	322	374	692	2410	1590	1210	306
12....	344	318	334	276	314	330	352	758	2410	1650	1460	310
13....	355	292	328	272	314	310	343	709	3010	1590	1410	326
14....	366	302	328	272	314	306	374	661	2910	1460	1620	318
15....	394	292	328	272	314	310	422	556	2380	1350	1440	314
16....	394	292	334	268	310	306	433	536	2050	1290	1380	306
17....	394	323	328	268	310	306	465	549	1650	1190	1300	306
18....	417	318	323	265	310	302	488	582	1560	1040	1240	279
19....	383	302	328	265	310	302	549	646	1450	914	977	276
20....	389	313	323	265	310	306	543	701	1310	796	654	272
21....	389	318	323	261	310	352	562	894	1190	1070	624	258
22....	366	313	313	248	306	365	562	1250	1140	1140	609	258
23....	365	308	318	233	306	322	549	1780	1230	1080	582	239
24....	372	350	318	272	302	314	562	2160	1240	1140	549	236
25....	361	339	318	318	302	310	506	2210	1230	1140	500	233
26....	350	350	313	310	302	206	512	2160	1350	1180	835	236
27....	378	355	313	298	302	306	549	2220	1380	1190	760	248
28....	389	355	308	294	306	306	556	2050	1490	1210	725	251
29....	378	361	308	306	....	306	494	1740	1520	1260	646	258
30....	378	334	302	302	....	314	471	1660	1530	1200	609	245
31....	383	....	302	306	....	330	....	1980	....	1170	562	....
Total	11571	10030	10099	8717	8620	9775	14059	32817	65060	45114	30007	9378
Mean.	373	334	326	281	308	315	469	1060	2170	1460	968	313
Max..	429	378	361	318	314	365	589	2220	3520	2270	1620	500
Min..	334	292	302	233	290	302	343	500	1140	796	500	233
Acre-ft	22900	19900	20000	17300	17100	19400	27900	65200	129000	89800	59500	18600

(Unless otherwise noted, all discharges are in cubic feet per second.)

Discharge of Arkansas River at Pueblo for Year Ending Sept. 30, 1925.
Drainage Area, 4,820 Square Miles. Altitude, 4,675 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	160	264	345	340	376	202	134	134	1180	1110	537	546
2....	199	233	356	349	354	226	114	106	1120	1070	364	502
3....	250	241	337	395	404	251	119	74	1010	1270	343	372
4....	252	252	326	409	433	278	121	85	948	1150	696	422
5....	298	261	333	395	433	310	119	105	900	1430	1180	486
6....	305	244	315	390	409	345	153	219	912	1120	1140	494
7....	319	250	330	409	340	336	170	244	889	1120	446	462
8....	315	258	288	363	302	310	129	244	780	960	272	379
9....	273	255	244	340	270	343	104	216	717	999	224	350
10....	302	326	333	290	236	358	85	314	696	1600	555	486
11....	302	356	285	302	233	286	64	212	600	867	628	644
12....	298	389	326	310	240	226	48	229	667	1070	546	754
13....	302	434	315	255	251	219	50	414	728	1060	486	462
14....	295	398	322	226	259	226	56	399	676	878	408	454
15....	298	385	322	318	226	216	54	386	555	738	379	430
16....	319	394	291	314	219	196	48	414	628	667	486	379
17....	295	385	291	334	212	209	50	457	801	707	438	357
18....	276	385	341	318	180	192	58	473	1050	667	609	350
19....	270	398	238	354	173	173	83	442	1030	1050	686	350
20....	305	407	137	386	145	176	114	499	1080	1130	676	297
21....	319	385	156	376	153	159	121	580	1190	1820	609	317
22....	330	368	178	358	116	164	104	751	1550	2370	628	310
23....	319	368	227	367	106	167	97	941	1640	878	581	317
24....	288	356	194	395	88	173	102	966	1490	470	564	372
25....	291	270	158	409	77	162	111	1160	1490	357	572	379
26....	276	244	192	433	70	148	102	1050	1290	430	769	364
27....	276	258	250	345	64	134	164	1230	1250	564	738	291
28....	270	295	209	390	192	159	142	1140	1190	478	676	291
29....	273	330	273	399	....	156	124	1160	1140	430	657	278
30....	252	337	368	399	....	139	139	1180	1110	537	638	291
31....	241	....	368	414	....	124	....	1160	....	564	528	....
Total	8768	9726	8648	11073	6561	6873	3079	16988	30307	29561	18059	12186
Mean.	283	324	279	357	234	219	103	548	1010	954	583	406
Max..	330	434	368	433	433	363	170	1230	1640	2370	1180	754
Min..	160	233	137	226	64	124	48	74	555	357	224	278
Acre-ft.	17400	19300	17200	22000	13000	13500	6130	33700	60100	58700	35800	24200

Discharge of Arkansas River at Pueblo for Year Ending Sept. 30, 1926.
Drainage Area, 4,820 Square Miles. Altitude, 4,675 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	343	284	291	306	243	278	250	622	2160	1600	1070	350
2....	364	310	330	264	237	264	306	632	2380	1950	1040	343
3....	317	284	408	264	257	224	299	660	2620	1850	1070	313
4....	297	272	415	250	230	197	299	660	2560	1900	1020	413
5....	324	266	372	328	204	230	373	679	2670	2010	978	438
6....	324	213	350	278	230	271	514	842	2780	2440	1050	299
7....	438	213	379	278	204	197	650	1030	2870	2280	966	230
8....	422	266	408	292	217	170	576	875	3190	2120	909	204
9....	400	272	364	320	250	191	421	909	3000	1980	800	191
10....	422	242	364	306	271	191	381	821	2650	1870	779	165
11....	337	297	364	271	271	224	421	831	2310	1580	842	165
12....	337	278	372	313	243	217	381	842	2120	1460	1510	243
13....	364	304	317	299	278	184	381	852	2540	1510	1390	243
14....	364	297	372	320	210	170	430	810	2960	1440	1510	250
15....	357	260	330	320	210	141	430	728	2420	1260	1280	237
16....	357	266	272	197	155	146	479	604	1950	1250	1330	191
17....	343	278	278	257	165	146	549	622	1710	1120	1350	170
18....	343	291	304	250	184	165	532	595	1420	943	1260	155
19....	330	266	297	257	150	146	613	650	1350	810	1100	160
20....	357	242	266	237	179	136	689	758	1170	689	576	165
21....	379	272	230	237	197	179	790	800	1030	622	514	141
22....	343	284	230	237	217	237	699	991	920	1130	488	116
23....	343	291	278	237	237	210	660	1360	991	978	505	112
24....	343	284	330	237	250	210	632	2090	1080	955	496	116
25....	343	310	284	237	230	184	540	2440	1140	1130	421	160
26....	337	310	266	285	230	184	514	2260	1230	1190	532	237
27....	330	317	236	271	230	243	523	2350	1220	1100	650	264
28....	337	324	254	306	210	250	632	2280	1300	1080	586	243
29....	350	330	254	278	....	250	549	2310	1450	1070	523	224
30....	343	324	230	250	....	250	558	1930	1500	1170	462	230
31....	317	....	208	237	....	237	....	1960	....	1100	366	....
Total	10905	8447	9653	8419	6189	6322	15071	35793	58691	43587	29373	6768
Mean.	352	282	311	272	221	204	502	1150	1960	1410	883	226
Max..	438	330	415	328	278	278	790	2440	3190	2440	1510	438
Min..	297	213	208	197	150	136	250	595	920	622	366	112
Acre-ft.	21600	16800	19100	16700	12300	12500	29900	70700	117000	86700	54300	13400

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Nepesta for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	188	180	270	....	234	124	103	64	681	1040	673	496
2.....	264	236	275	....	202	135	124	64	681	939	135	458
3.....	253	222	318	....	208	147	128	54	647	898	362	386
4.....	226	231	311	....	224	160	117	45	590	1970	378	322
5.....	242	253	311	....	213	194	78	49	569	932	780	412
6.....	247	253	225	....	213	300	76	57	548	1070	1300	403
7.....	253	242	166	....	199	322	90	67	517	1010	440	449
8.....	275	217	158	....	196	300	142	128	468	1010	156	422
9.....	275	231	98	....	234	280	135	131	496	704	229	403
10.....	270	247	145	....	174	266	101	474	496	1140	613	440
11.....	253	270	245	....	113	273	83	476	528	805	1520	844
12.....	236	275	235	....	103	205	70	85	496	729	966	704
13.....	247	286	218	....	85	151	61	142	507	754	403	468
14.....	253	324	213	....	73	188	59	266	477	792	346	559
15.....	247	292	191	....	72	165	60	370	403	792	229	477
16.....	247	298	156	....	70	131	62	403	386	729	240	403
17.....	258	292	178	....	66	156	57	412	486	780	246	338
18.....	207	350	250	....	59	165	53	449	898	754	362	314
19.....	180	337	220	....	54	194	50	468	717	704	386	287
20.....	212	356	180	....	30	253	54	431	670	1070	403	266
21.....	275	356	130	....	54	211	53	548	805	1250	559	234
22.....	264	286	160	....	194	142	58	658	1220	3360	338	260
23.....	253	236	185	....	117	124	54	754	1360	6710	229	280
24.....	242	264	185	....	42	96	53	636	1340	432	217	300
25.....	242	330	155	....	48	117	53	624	1020	113	394	354
26.....	253	275	115	....	85	131	55	704	1070	330	559	378
27.....	212	298	150	....	93	120	54	704	1070	468	580	338
28.....	212	270	220	....	106	117	62	729	995	1040	528	300
29.....	181	253	170	....	....	131	63	704	952	431	507	266
30.....	160	258	230	....	....	128	62	717	939	548	486	205
31.....	164	....	245	....	....	110	....	729	....	217	939	....
Total	7357	8218	6308	....	3561	5536	2270	12142	22032	33541	15503	11766
Mean.	237	274	203	334	127	179	75.7	392	731	1080	500	392
Max.	275	356	....	....	....	322	142	754	1360	6710	1520	844
Min.	160	180	....	....	30	96	50	45	386	113	135	205
Acre-ft.	14600	16300	12500	20500	7050	11000	4500	24100	43700	66400	30700	23300

Discharge of Arkansas River at Nepesta for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	165	300	26	364	412	155	488	811	1730	772	529	10
2.....	182	287	27	314	398	140	529	946	2310	994	464	14
3.....	188	266	52	286	398	148	504	978	3020	1320	398	36
4.....	179	260	85	274	405	144	364	914	2780	1370	370	130
5.....	179	287	65	227	391	194	433	866	2110	1340	419	405
6.....	217	294	200	126	358	198	687	1860	2610	2150	412	456
7.....	266	300	200	137	308	212	837	1810	2740	1650	824	314
8.....	346	370	250	130	320	186	850	1390	2950	1460	914	258
9.....	403	307	200	212	291	217	746	1140	3980	1580	709	222
10.....	394	280	200	419	232	222	665	687	2440	1370	654	202
11.....	286	135	175	419	258	247	520	698	1860	1030	687	198
12.....	260	142	300	419	286	274	529	785	1530	394	930	202
13.....	240	88	250	247	280	252	504	698	1750	1280	610	182
14.....	322	76	240	182	280	280	556	592	2950	1230	946	194
15.....	394	65	205	166	286	327	798	556	2210	978	574	212
16.....	346	64	183	151	263	291	709	456	1860	898	565	190
17.....	431	61	194	155	227	232	720	412	1650	1080	517	202
18.....	449	60	170	212	237	178	746	621	1410	772	456	194
19.....	394	70	165	220	207	194	785	504	1080	308	426	182
20.....	362	70	142	250	182	202	930	676	785	286	247	182
21.....	330	106	151	250	162	186	1050	746	837	464	364	198
22.....	280	85	165	250	186	269	930	930	930	1010	419	182
23.....	287	52	300	220	198	327	665	1170	850	621	440	186
24.....	280	31	322	250	207	314	733	1700	1120	592	556	170
25.....	280	20	307	274	194	269	898	2340	1150	632	464	117
26.....	307	25	287	274	202	274	882	2470	1230	798	398	158
27.....	330	24	273	258	217	308	866	3600	930	698	222	227
28.....	314	30	256	274	191	339	946	3830	456	621	91	247
29.....	338	44	250	308	....	339	946	2410	610	583	30	242
30.....	346	23	225	327	....	405	759	1750	643	621	11	178
31.....	346	....	225	398	....	384	....	1430	....	643	7	....
Total	9427	4222	6084	7993	7579	7707	21575	39776	52811	30145	14683	5890
Mean.	304	141	196	258	241	249	719	1280	1760	972	474	196
Max.	538	370	....	....	412	405	1050	3830	3980	2150	946	456
Min.	165	20	....	....	162	140	361	412	456	286	7	10
Acre-ft.	18700	8390	12100	15900	15100	15300	42800	78700	105000	59800	29100	11700

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at La Junta for Year Ending Sept. 30, 1925.
Drainage Area..... Square Miles. Altitude 4,052 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	22	52	76	10	5	11	28	34	563	472	61	310
2....	37	73	66	10	5	10	44	26	571	494	75	123
3....	35	83	63	10	6	8	36	32	494	494	82	44
4....	40	80	73	8	4	7	30	30	435	2600	310	29
5....	49	60	4	8	6	11	26	32	333	176	965	14
6....	66	69	4	10	6	57	38	36	282	143	1480	24
7....	66	66	34	20	9	90	19	30	218	352	160	80
8....	90	49	170	10	8	129	32	68	54	630	106	106
9....	104	49	155	10	5	156	44	193	44	494	82	68
10....	86	66	73	10	6	167	44	1030	82	262	72	47
11....	108	80	14	13	9	117	34	1220	50	101	85	54
12....	86	86	13	6	8	125	49	52	39	120	80	200
13....	160	108	13	16	6	117	44	20	18	344	106	112
14....	112	170	9	5	4	84	24	17	50	388	68	72
15....	132	190	14	8	4	42	36	36	85	388	59	157
16....	112	180	6	8	6	97	42	95	52	293	118	157
17....	155	180	5	10	5	101	44	59	19	256	70	112
18....	120	175	7	20	5	97	54	50	33	223	34	115
19....	116	175	7	15	7	38	47	57	394	214	24	85
20....	93	155	10	10	7	22	47	21	256	199	95	63
21....	93	136	10	10	6	24	49	10	394	298	63	75
22....	140	120	10	5	6	28	49	17	450	792	267	61
23....	120	180	10	5	5	17	57	80	528	6230	95	63
24....	120	165	10	5	4	14	52	205	407	1900	48	82
25....	155	165	10	10	12	22	54	282	420	106	30	75
26....	112	155	10	8	14	19	57	310	457	59	24	104
27....	112	136	10	34	17	19	54	494	580	77	80	123
28....	97	108	10	34	10	19	47	435	571	495	93	172
29....	104	73	10	28	....	34	28	382	546	77	80	140
30....	104	54	10	5	....	38	36	511	487	358	40	164
31....	76	....	10	5	....	32	....	580	....	77	48	....
Total	3022	3438	926	366	195	1752	1245	6444	8912	19112	5000	3031
Mean.	97.5	115	29.9	11.8	6.96	56.5	41.5	208	297	617	161	101
Max..	160	190	....	....	17	167	57	1220	580	6230	1480	310
Min...	22	49	....	....	4	7	19	10	18	59	24	14
Acre-ft.	6000	6840	1840	726	386	3470	2470	12800	17700	37900	9900	6010

Discharge of Arkansas River at La Junta for Year Ending Sept. 30, 1926.
Drainage Area..... Square Miles. Altitude 4,052 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	133	90	150	113	18	172	100	96	172	389	103	43
2....	115	95	123	238	21	132	82	148	490	376	103	49
3....	118	32	80	138	18	121	74	257	567	456	54	59
4....	104	33	21	50	14	124	61	397	532	540	26	54
5....	104	20	37	28	12	116	193	350	201	652	34	47
6....	98	80	34	21	14	93	262	404	585	523	54	83
7....	126	140	23	15	13	113	307	594	652	523	65	80
8....	164	272	17	12	13	145	356	169	707	674	211	77
9....	176	232	16	10	48	127	201	155	848	523	332	65
10....	272	237	18	10	80	91	86	88	621	228	261	68
11....	293	241	20	10	25	96	50	219	279	93	155	45
12....	246	232	18	10	17	118	38	363	284	82	206	34
13....	218	223	14	24	13	141	34	324	130	98	397	43
14....	262	192	12	18	15	152	55	185	113	176	216	28
15....	304	192	10	17	10	193	52	127	124	558	142	18
16....	228	192	10	24	17	206	34	93	103	273	155	20
17....	184	209	10	19	45	116	26	72	141	423	142	20
18....	209	200	109	13	28	98	28	76	296	354	117	17
19....	205	168	16	17	15	64	50	88	52	363	100	23
20....	176	168	13	16	19	53	70	70	66	363	34	28
21....	205	180	11	19	12	116	110	116	52	397	74	21
22....	172	168	9	17	14	124	158	145	53	129	29	21
23....	153	136	11	21	17	116	78	96	78	106	117	29
24....	176	133	20	64	55	152	72	82	248	120	93	20
25....	143	115	16	16	116	121	68	238	301	83	54	23
26....	150	115	12	13	141	141	66	532	145	41	28	21
27....	106	109	15	14	145	169	48	278	38	133	32	18
28....	98	115	11	12	138	219	26	158	148	151	36	21
29....	115	126	8	12	....	252	57	135	376	77	41	38
30....	112	118	88	32	....	233	72	180	456	65	43	21
31....	88	....	57	19	....	98	....	96	....	56	36	....
Total	5253	4563	1009	1042	1093	4212	2914	6331	8858	9025	3490	1134
Mean.	169	152	32.5	33.6	39.0	136	97.1	204	295	291	113	37.8
Max..	304	272	150	238	145	252	356	594	848	674	397	83
Min...	88	20	8	10	10	53	26	70	38	41	26	17
Acre-ft.	10400	9040	2000	2070	2170	8360	5780	12500	17600	17900	6950	2250

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Lamar for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	2	3	6	122	144	5	3	2	3	4	1110	5
2....	3	3	4	122	147	6	3	2	3	4	460	4
3....	3	3	5	122	152	5	3	2	5	14	189	4
4....	3	3	26	122	152	5	3	2	2	3310	60	4
5....	2	3	40	122	197	5	2	3	3	1980	3360	5
6....	3	2	100	120	177	10	3	2	51	131	5870	4
7....	3	2	250	120	210	11	4	2	2720	7	3230	4
8....	2	3	200	122	130	4	3	3	723	9	1140	4
9....	3	3	200	137	120	4	2	822	42	5	249	6
10....	3	3	250	127	90	2	2	193	6	78	44	4
11....	3	3	150	128	60	4	3	655	5	280	17	121
12....	3	3	200	128	58	4	2	388	5	14	6	28
13....	5	3	200	131	38	6	2	9	6	6	1040	19
14....	4	3	200	124	44	16	2	12	3	8	631	28
15....	3	3	200	134	33	7	2	17	4	5	12	310
16....	4	3	150	123	33	5	2	11	3	3	6	64
17....	7	3	80	131	109	5	2	8	4	6	6	8
18....	3	1	85	131	93	5	2	7	4	4	7	8
19....	4	3	75	133	39	4	2	5	2	4	6	4
20....	5	3	80	143	9	4	2	2	412	3	5	3
21....	5	3	75	138	8	3	3	3	8	3250	5	4
22....	5	3	75	133	10	2	3	1	5	3270	5	6
23....	5	3	75	133	6	3	2	2	5	1810	5	5
24....	4	3	75	133	5	4	2	3	5	8980	5	3
25....	2	3	75	133	72	4	2	90	4	2720	6	3
26....	3	7	90	133	75	4	2	6	4	502	7	3
27....	3	7	90	138	12	4	2	4	4	1800	6	2
28....	3	7	90	136	5	3	2	4	5	7640	6	2
29....	3	8	90	162	....	3	2	57	4	2540	5	2
30....	3	6	90	162	....	3	2	4	3	5450	5	2
31....	3	....	90	156	....	3	....	4	....	3830	5	....
Total	107	106	3416	4099	2228	153	71	2325	4053	47667	17508	669
Mean	3.45	3.53	110	132	79.6	4.94	2.37	75.0	135	1540	565	22.3
Max.	7	8	....	....	....	16	4	822	2720	8980	5870	310
Min.	2	1	4	....	5	2	2	1	2	3	5	2
Acres-ft.	212	210	6760	8120	4420	304	141	4610	8030	94700	34700	1330

Discharge of Huerfano River at Badito for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	4	6	....	....	....	....	4	17	11	18	9	7
2....	9	8	....	....	....	....	5	14	15	16	50	7
3....	6	7	....	....	....	....	5	11	15	50	54	7
4....	6	6	....	....	....	....	6	11	20	135	67	8
5....	5	6	....	....	....	....	6	14	17	25	142	11
6....	5	6	....	....	....	....	7	17	15	20	79	35
7....	3	16	....	....	....	....	7	18	18	15	43	23
8....	3	13	....	....	....	....	8	17	20	15	43	17
9....	4	12	....	....	....	....	7	16	19	10	31	20
10....	5	9	....	....	....	....	7	21	20	8	24	12
11....	4	10	....	....	....	....	7	21	24	5	16	14
12....	4	10	....	....	....	....	8	19	26	9	6	14
13....	4	10	....	....	....	....	13	12	20	5	7	11
14....	3	14	....	....	....	....	16	10	18	1	6	9
15....	4	11	....	....	....	....	16	10	15	5	4	8
16....	3	15	....	....	....	....	20	16	16	8	4	6
17....	2	13	....	....	....	....	31	17	20	6	7	4
18....	3	13	....	....	....	....	30	15	22	6	6	4
19....	4	11	....	....	....	....	26	18	27	15	7	5
20....	2	13	....	....	....	....	24	12	15	38	5	6
21....	4	10	....	....	....	....	23	15	12	43	8	7
22....	4	6	....	....	....	....	21	15	16	67	7	8
23....	4	9	....	....	....	....	18	15	15	34	8	9
24....	6	12	....	....	....	....	1	18	16	15	2	9
25....	7	19	....	....	....	1	16	12	15	7	9	6
26....	5	23	....	....	....	1	14	9	18	9	10	4
27....	5	20	....	....	....	2	13	18	18	18	7	3
28....	4	9	....	....	....	1	13	17	23	20	8	1
29....	5	28	....	....	....	2	16	18	21	95	9	1
30....	9	25	....	....	....	2	17	18	18	12	9	1
31....	24	....	....	....	....	4	....	17	....	8	7	....
Total	160	370	....	....	....	....	422	476	544	725	701	274
Mean	5.16	12.3	10	....	....	....	14.1	15.4	18.1	23.4	22.6	9.13
Max.	24	28	....	....	....	....	....	....	....	....	....	....
Min.	2	6	....	....	....	....	....	....	....	....	....	....
Acres-ft.	317	732	615	....	....	....	839	947	1080	1440	1390	543

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Huerfano River at Huerfano for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	0	0	....	....	....	....	0	0	0	4	38	0
2....	0	0	....	....	....	....	0	0	0	3	47	0
3....	0	1	....	....	....	....	1	0	0	4	81	0
4....	0	1	....	....	....	....	1	0	0	42	98	0
5....	0	2	....	....	....	....	1	0	0	180	71	0
6....	0	2	....	....	....	....	0	0	0	12	130	19
7....	0	0	....	....	....	....	0	0	0	5	118	52
8....	0	1	....	....	....	....	1	1	0	6	80	23
9....	0	7	....	....	....	....	1	11	0	4	53	7
10....	0	2	....	....	....	....	1	12	0	3	44	30
11....	0	3	....	....	....	....	1	12	0	2	36	44
12....	0	1	....	....	....	....	0	7	0	1	13	8
13....	0	2	....	....	....	....	0	4	0	0	6	3
14....	0	2	....	....	....	....	0	2	0	0	1	2
15....	0	1	....	....	....	....	0	0	0	0	0	1
16....	0	1	....	....	....	....	0	0	0	0	0	1
17....	0	3	....	....	....	....	1	0	0	0	0	0
18....	0	2	....	....	....	....	1	0	0	0	0	0
19....	0	2	....	....	....	....	1	0	0	8	2	0
20....	0	1	....	....	....	....	0	0	0	54	9	0
21....	0	2	....	....	....	....	0	0	0	66	13	0
22....	0	2	....	....	....	....	0	0	0	125	7	0
23....	1	0	....	....	....	....	0	0	0	359	3	2
24....	0	1	....	....	....	1	0	0	1	32	0	3
25....	0	2	....	....	....	2	0	0	0	29	0	2
26....	0	2	....	....	....	1	0	0	1	31	0	0
27....	0	0	....	....	....	1	0	0	2	61	0	0
28....	0	5	....	....	....	1	0	0	0	122	0	0
29....	0	5	....	....	....	1	0	0	0	63	0	0
30....	0	3	....	....	....	1	0	0	0	58	0	0
31....	0	....	....	....	....	0	....	0	....	39	0	....
Total	1	56	....	....	....	....	10	49	4	1313	850	197
Mean..	.03	1.87	....	....	....	....	0.33	1.58	0.13	42.4	27.4	6.57
Max..	1	7	....	....	....	....	1	12	2	359	130	52
Min..	0	0	....	....	....	....	0	0	0	0	0	0
Acre-ft.	2	111	....	....	....	....	20	97	8	2610	1680	391

Discharge of Huerfano River at Huerfano for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	0	0	....	....	....	....	9	3	59	45	0	0
2....	0	0	....	....	....	....	9	2	30	72	0	0
3....	0	0	....	....	....	....	9	6	67	96	0	0
4....	0	0	....	....	....	....	9	6	190	106	0	6
5....	0	0	....	....	....	....	9	4	204	42	0	5
6....	0	1	....	....	....	....	9	17	169	52	3	3
7....	0	2	....	....	....	....	9	32	106	59	0	0
8....	0	5	....	....	....	....	8	24	80	42	0	2
9....	0	4	....	....	....	....	9	22	80	50	0	10
10....	0	4	....	....	....	....	8	16	50	29	0	0
11....	0	2	....	....	....	....	5	27	50	8	2	2
12....	0	2	....	....	....	....	4	42	80	7	2	8
13....	0	2	....	....	....	....	4	18	76	4	0	3
14....	12	4	....	....	....	....	3	9	80	16	8	0
15....	11	15	....	....	....	....	2	5	59	8	19	0
16....	11	7	....	....	....	....	2	0	36	13	16	0
17....	9	15	....	....	....	....	3	24	0	0	14	0
18....	9	2	....	....	....	....	3	36	0	0	9	0
19....	8	2	....	....	....	....	4	42	157	0	6	0
20....	6	4	....	....	....	....	4	59	80	0	0	0
21....	6	5	....	....	....	....	4	120	59	5	0	0
22....	3	4	....	....	....	....	3	72	52	7	0	0
23....	1	7	....	....	....	....	3	39	45	7	0	0
24....	7	5	....	....	....	....	2	222	314	0	16	0
25....	4	6	....	....	....	....	4	236	34	16	0	0
26....	0	5	....	....	....	....	7	207	50	21	0	0
27....	0	4	....	....	....	....	11	197	50	6	0	3
28....	0	6	....	....	....	....	12	123	50	3	0	3
29....	0	5	....	....	....	....	15	70	67	1	0	2
30....	0	5	....	....	....	....	4	32	54	14	0	2
31....	0	....	....	....	....	....	....	32	....	6	2	....
Total	87	123	....	....	....	....	187	1744	2428	735	97	49
Mean..	2.81	4.10	6.0	....	....	....	6.23	5.63	80.9	23.7	3.13	1.63
Max..	12	15	....	....	....	....	15	236	314	106	19	10
Min..	0	0	....	....	....	....	2	0	0	0	0	0
Acre-ft.	173	244	357	....	....	....	371	3460	4810	1460	192	97

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Huerfano River at Mouth for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	1	3	18	5	80	6	1	1	1	0	29	0
2.....	1	3	18	5	66	5	1	1	1	0	12	1
3.....	1	3	18	5	50	5	1	1	1	75	16	2
4.....	1	3	18	5	29	5	1	1	1	65	22	1
5.....	1	3	18	5	20	5	1	1	1	42	60	1
6.....	1	2	18	5	14	5	1	1	1	32	38	8
7.....	1	2	18	5	12	4	1	1	1	5	17	3
8.....	1	3	18	5	13	4	15	10	0	5	12	2
9.....	2	3	33	5	10	4	6	2	0	10	16	1
10.....	2	4	29	5	9	3	1	16	0	10	20	4
11.....	2	5	29	8	11	3	1	18	0	7	52	18
12.....	2	5	19	8	12	3	1	17	0	5	20	2
13.....	3	5	14	8	9	3	1	5	0	1	10	1
14.....	3	4	4	8	9	4	1	5	0	1	8	1
15.....	4	4	4	8	8	4	1	3	0	0	5	1
16.....	5	3	4	8	9	4	1	2	0	0	3	1
17.....	6	3	4	8	6	5	1	2	0	0	2	1
18.....	6	2	4	8	5	5	1	1	0	0	2	1
19.....	7	2	4	10	5	5	1	1	0	3	2	1
20.....	8	3	4	10	5	5	1	1	0	3	2	1
21.....	8	4	4	10	5	4	1	1	0	1	2	1
22.....	7	5	4	10	5	4	1	1	0	468	1	1
23.....	6	6	4	10	5	3	1	1	0	1960	1	1
24.....	5	7	4	15	5	2	1	1	19	194	1	1
25.....	5	8	4	15	5	2	1	1	1	31	1	2
26.....	4	5	4	15	5	2	1	6	1	26	1	2
27.....	4	5	4	20	6	2	1	5	1	60	1	1
28.....	3	30	4	40	6	2	2	3	0	322	0	1
29.....	3	30	4	60	.....	2	2	3	0	52	0	1
30.....	28	30	4	70	.....	2	2	2	0	86	0	1
31.....	15	.....	4	80	.....	2	.....	1	.....	37	0	.....
Total	446	195	340	479	424	114	52	115	29	3501	356	63
Mean	4.71	6.50	11.0	15.5	15.1	3.68	1.73	3.71	.97	113	11.5	2.10
Max.	.....	.....	.....	.....	.....	6	.....	18	.....	1960	60	18
Min.	.....	.....	.....	.....	.....	2	.....	.....	.....	0	0	0
Acres-ft.	290	387	676	953	839	226	103	228	58	6950	707	125

Discharge of Cucharas River at La Veta for Year Ending Sept. 30, 1925.
Drainage Area, 75 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	7	8	.....	.....	.....	.....	11	9	18	10	10	8
2.....	7	8	.....	.....	.....	.....	10	10	16	9	9	7
3.....	7	8	.....	.....	.....	.....	10	9	17	9	9	7
4.....	7	8	.....	.....	.....	.....	10	9	18	9	10	7
5.....	7	8	.....	.....	.....	.....	10	10	17	10	10	7
6.....	7	8	.....	.....	.....	.....	8	14	17	9	15	8
7.....	8	8	.....	.....	.....	.....	8	14	14	9	13	9
8.....	9	8	.....	.....	.....	.....	11	12	13	8	14	7
9.....	7	8	.....	.....	.....	.....	10	14	13	8	14	8
10.....	7	8	.....	.....	.....	.....	10	16	10	8	14	8
11.....	7	8	.....	.....	.....	.....	10	19	10	8	14	8
12.....	8	8	.....	.....	.....	.....	10	26	9	9	12	8
13.....	8	8	.....	.....	.....	.....	10	19	12	8	12	8
14.....	9	8	.....	.....	.....	.....	9	18	12	8	12	8
15.....	9	8	.....	.....	.....	.....	9	17	11	8	12	7
16.....	9	8	.....	.....	.....	.....	8	18	11	6	10	6
17.....	9	8	.....	.....	.....	.....	8	16	10	8	9	6
18.....	9	8	.....	.....	.....	.....	8	14	10	7	8	6
19.....	9	8	.....	.....	.....	.....	7	14	10	7	8	6
20.....	9	8	.....	.....	.....	.....	7	14	10	7	8	5
21.....	9	8	.....	.....	.....	.....	7	14	10	8	8	5
22.....	9	8	.....	.....	.....	.....	6	14	10	12	8	6
23.....	9	8	.....	.....	.....	.....	6	14	10	8	7	8
24.....	9	8	.....	.....	.....	.....	6	14	10	8	7	8
25.....	9	8	.....	.....	.....	.....	6	18	9	7	8	8
26.....	8	8	.....	.....	.....	.....	6	17	9	7	7	8
27.....	8	8	.....	.....	.....	.....	6	15	9	9	7	6
28.....	8	8	.....	.....	.....	.....	7	14	8	8	7	6
29.....	8	8	.....	.....	.....	.....	7	14	9	8	7	5
30.....	8	8	.....	.....	.....	.....	8	14	10	10	7	6
31.....	8	.....	.....	.....	.....	.....	.....	15	.....	10	8	.....
Total	252	240	.....	.....	.....	.....	249	455	352	.....	304	210
Mean	8.13	8.00	5.00	.....	.....	.....	8.30	14.7	11.7	8.39	9.81	7.00
Max.	9	8	.....	.....	.....	.....	11	26	18	12	15	9
Min.	7	8	.....	.....	.....	.....	6	9	8	6	7	5
Acres-ft.	500	476	307	.....	.....	.....	494	904	696	516	603	417

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cucharas River at La Veta for Year Ending Sept. 30, 1926.
Drainage Area, 75 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	6	....	....	....	....	....	36	192	184	47	13	8
2....	6	....	....	....	....	....	36	186	248	52	12	7
3....	5	....	....	....	....	....	38	181	248	42	12	7
4....	5	....	....	....	....	....	38	201	230	47	15	7
5....	5	....	....	....	....	....	38	282	214	52	15	7
6....	5	....	....	....	....	....	37	470	198	42	12	7
7....	5	....	....	....	....	....	37	412	198	42	12	6
8....	5	....	....	....	....	....	39	201	184	38	12	6
9....	5	....	....	....	....	....	38	216	176	33	10	7
10....	5	....	....	....	....	....	40	216	170	38	12	7
11....	5	....	....	....	....	....	39	181	165	33	12	7
12....	5	....	....	....	....	....	39	181	165	34	12	7
13....	5	....	....	....	....	....	44	201	144	34	12	7
14....	5	....	....	....	....	....	44	201	133	38	13	6
15....	7	....	....	....	....	....	41	201	122	33	19	6
16....	6	....	....	....	....	....	53	385	112	27	15	5
17....	5	....	....	....	....	....	78	258	98	27	15	5
18....	4	....	....	....	....	....	86	385	102	24	15	5
19....	4	....	....	....	....	....	95	313	102	22	12	5
20....	4	....	....	....	....	....	86	345	91	19	10	5
21....	4	....	....	....	....	....	78	404	59	18	10	5
22....	5	....	....	....	....	....	69	597	59	19	10	5
23....	7	....	....	....	....	....	110	624	59	19	10	5
24....	7	....	....	....	....	....	131	520	52	25	10	5
25....	6	....	....	....	....	....	154	490	47	19	10	5
26....	6	....	....	....	....	....	201	460	42	18	10	5
27....	6	....	....	....	....	....	192	432	47	18	8	6
28....	5	....	....	....	....	....	133	331	38	18	8	6
29....	5	....	....	....	....	....	99	266	38	18	8	6
30....	5	....	....	....	....	....	110	266	42	15	8	6
31....	6	....	....	....	....	....	....	184	....	15	8	....
Total	164	....	....	....	....	....	2259	9782	3767	926	360	181
Mean.	5.29	....	....	....	....	....	75.3	316	126	29.9	11.6	6.03
Max..	7	....	....	....	....	....	201	624	248	52	19	8
Min..	4	....	....	....	....	....	36	181	38	15	8	5
Acre-ft.	325	....	....	....	....	....	4480	19400	7500	1840	713	359

Discharge of Fountain River at Pueblo for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	1	3	14	30	65	12	2	1	1	1	5	22
2....	1	3	14	35	65	9	2	1	1	1	15	8
3....	5	2	14	35	75	7	2	1	1	1	137	3
4....	5	3	12	35	75	6	2	1	1	83	51	3
5....	6	3	30	40	80	5	2	1	1	60	90	3
6....	8	3	38	45	85	5	1	1	1	1	56	3
7....	12	3	25	50	70	5	1	1	1	1	13	3
8....	15	3	38	30	47	5	1	1	1	1	10	4
9....	15	3	62	25	63	5	1	92	1	1	3	13
10....	10	5	50	25	33	5	1	236	1	1	16	67
11....	8	5	50	32	33	8	1	168	1	1	525	25
12....	5	5	40	38	31	11	1	60	1	1	68	13
13....	5	8	36	38	18	12	1	9	1	1	30	11
14....	5	8	31	38	22	9	1	2	1	1	22	25
15....	5	10	31	40	20	8	1	2	1	1	10	11
16....	10	11	36	40	22	6	1	1	1	1	8	6
17....	13	10	37	40	19	4	1	1	25	1	2	3
18....	12	5	5	40	22	2	1	1	171	1	1	3
19....	12	8	5	40	22	1	1	1	20	233	1	2
20....	12	8	8	40	20	1	1	1	5	284	222	2
21....	15	8	10	40	12	2	1	1	2	7	124	2
22....	15	8	15	40	9	3	1	1	1	795	15	2
23....	10	8	15	40	12	3	1	1	1	358	1	2
24....	5	10	20	50	14	2	1	1	11	94	1	1
25....	5	10	20	50	9	2	1	1	5	20	1	1
26....	5	12	20	15	9	2	1	1	2	5	1	1
27....	5	12	20	30	14	2	1	1	1	5	1	1
28....	3	15	20	35	11	2	1	1	1	7	1	1
29....	3	12	20	60	....	2	1	1	2	19	1	1
30....	3	14	25	50	....	2	1	1	1	24	50	1
31....	3	....	30	60	....	2	....	1	....	10	232	....
Total	237	218	791	1206	977	150	35	593	264	2020	1713	243
Mean.	7.65	7.27	25.5	38.9	34.9	4.84	1.17	19.1	8.80	65.2	55.3	8.10
Max..	....	....	....	....	....	....	....	....	....	....	....	....
Min..	....	....	....	....	....	....	....	....	....	....	....	....
Acre-ft.	470	433	1570	2390	1940.	298	70	1170	524	4010	3400	482

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of St. Charles River at Burnt Mill for Year Ending Sept. 30, 1925.
Drainage Area 166 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	3	3	5	3	12	6	8	5	5	3	100	15
2....	4	4	5	3	10	7	7	5	4	3	60	13
3....	4	3	5	3	9	7	6	5	5	3	80	12
4....	4	3	5	4	9	7	6	5	4	114	73	11
5....	3	3	4	4	9	7	7	5	4	37	355	10
6....	3	3	5	5	8	7	9	5	4	11	172	10
7....	3	3	4	5	7	7	7	6	4	8	114	20
8....	3	3	4	6	7	8	7	6	4	7	69	14
9....	3	3	5	6	8	8	6	10	5	21	54	10
10....	3	4	5	7	8	7	6	47	5	3	36	14
11....	3	3	5	7	9	6	6	11	5	1	71	12
12....	3	3	5	8	8	7	8	6	3	1	55	10
13....	3	3	5	8	8	7	8	5	3	1	43	10
14....	3	4	6	10	7	6	8	4	2	1	29	11
15....	3	5	6	10	8	6	7	4	2	1	23	8
16....	3	4	4	12	10	6	7	3	2	1	18	7
17....	3	4	3	12	10	6	6	3	2	1	14	6
18....	3	4	3	14	8	6	6	4	2	1	11	5
19....	3	4	3	16	8	6	6	4	2	35	21	5
20....	3	5	3	17	7	5	6	4	2	531	63	4
21....	3	5	3	17	7	6	6	4	2	100	35	4
22....	3	5	3	17	7	7	6	5	3	1250	26	4
23....	3	4	3	16	7	7	5	5	58	250	22	4
24....	4	3	3	16	7	7	5	4	5	110	20	4
25....	3	3	3	16	7	8	5	30	3	80	19	4
26....	4	4	2	14	7	6	5	7	3	80	20	3
27....	3	4	2	16	6	6	6	5	3	70	19	3
28....	3	5	2	17	7	7	5	5	4	125	17	3
29....	3	4	2	16	....	7	5	5	3	250	16	3
30....	3	5	2	15	....	7	5	5	3	120	15	3
31....	3	....	2	14	....	5	....	4	....	110	20	....
Total	98	112	117	334	225	205	190	226	156	3329	1690	242
Mean	3.16	3.73	3.77	10.8	8.04	6.61	6.33	7.29	5.20	107	54.5	8.07
Max.	4	....	....	....	12	8	9	47	58	....	355	20
Min.	3	....	....	....	6	5	5	3	2	....	11	3
Acre-ft.	194	222	232	664	447	406	377	448	309	6580	3350	480

Discharge of St. Charles River at Burnt Mill for Year Ending Sept. 30, 1926.
Drainage Area, 166 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	3	5	8	10	8	13	42	147	190	8	4	3
2....	3	5	8	14	14	14	34	143	174	7	5	3
3....	3	5	8	14	14	19	37	133	158	22	5	2
4....	2	5	9	8	14	18	133	140	140	17	5	2
5....	2	4	9	8	16	18	170	154	126	32	6	3
6....	4	4	9	8	18	16	186	290	113	38	14	3
7....	4	5	9	14	20	12	186	234	99	24	9	4
8....	4	6	9	5	15	17	186	190	108	13	7	4
9....	4	8	9	5	18	18	162	150	99	8	5	7
10....	4	8	9	8	18	19	143	136	83	9	5	5
11....	4	8	9	6	18	17	126	140	99	12	5	5
12....	4	6	8	5	18	14	123	136	61	11	5	5
13....	4	6	8	5	11	16	140	136	66	8	5	5
14....	5	5	8	6	10	18	194	150	58	7	27	5
15....	5	6	8	6	12	19	194	199	45	6	7	5
16....	4	8	8	6	13	21	190	246	38	5	7	5
17....	4	8	8	6	13	24	190	225	34	5	6	7
18....	4	7	8	6	11	29	212	231	56	4	6	6
19....	4	8	8	11	9	28	212	252	44	3	5	5
20....	5	7	9	6	14	28	212	257	38	3	5	5
21....	5	7	9	6	13	34	190	305	30	3	4	4
22....	5	7	9	6	12	47	170	310	27	7	4	4
23....	5	6	10	6	13	62	190	346	22	6	4	3
24....	5	6	10	6	12	83	190	352	18	3	3	3
25....	6	6	10	6	12	66	170	330	13	3	3	3
26....	5	7	10	6	14	61	190	280	13	6	3	3
27....	5	7	10	6	12	48	190	243	12	5	2	3
28....	4	7	10	8	12	51	150	207	9	5	2	5
29....	5	7	11	8	....	47	150	190	7	7	2	4
30....	5	8	11	8	....	38	154	190	9	18	2	3
31....	5	....	11	8	....	47	....	190	....	6	3	....
Total	132	192	280	231	184	962	4816	6605	1992	311	175	124
Mean	4.26	6.40	9.03	7.45	33.7	31.0	161	213	66.4	10.0	5.65	4.13
Max.	6	....	....	....	....	83	212	352	190	38	27	7
Min.	2	....	....	....	....	12	34	133	7	3	2	2
Acre-ft.	262	381	555	458	761	1910	9580	13100	3950	615	347	246

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of St. Charles River at Mouth for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	4	6	8	5	6	6	4	4	3	2	178	31
2....	6	6	8	5	7	7	4	5	6	2	38	9
3....	6	5	8	5	7	6	3	4	4	40	62	3
4....	6	5	11	5	8	6	3	2	2	49	70	3
5....	7	5	12	5	8	6	4	5	3	139	227	3
6....	6	4	14	5	8	6	4	6	2	33	101	3
7....	6	5	11	6	8	6	2	12	2	7	82	5
8....	5	5	8	6	8	7	2	120	2	6	69	13
9....	5	6	9	6	9	6	2	90	4	86	78	8
10....	6	5	9	6	10	6	2	194	2	270	92	5
11....	8	6	8	6	9	6	2	176	2	46	96	102
12....	8	7	7	6	9	6	2	82	2	28	59	28
13....	8	6	7	7	7	6	2	44	2	19	51	18
14....	10	7	6	7	7	6	2	9	2	8	41	24
15....	10	8	7	7	6	6	2	6	2	8	25	15
16....	8	5	11	8	6	6	2	4	2	12	13	12
17....	10	5	10	8	7	7	3	2	2	12	12	8
18....	11	7	9	8	6	6	4	2	2	12	9	7
19....	11	8	8	8	6	6	4	2	2	33	27	5
20....	10	8	7	8	7	6	4	2	2	140	78	4
21....	10	7	6	8	6	6	4	3	2	484	61	5
22....	11	10	7	8	5	6	4	2	6	838	41	6
23....	10	10	8	9	5	7	4	2	35	1840	41	9
24....	9	10	9	10	5	6	4	2	148	82	20	8
25....	8	5	10	10	5	6	4	2	14	40	9	6
26....	8	8	10	10	6	6	5	56	5	16	8	6
27....	8	8	10	12	5	6	4	21	2	5	7	6
28....	8	8	10	10	6	4	4	12	2	29	11	4
29....	8	8	10	9	....	4	4	3	2	476	11	2
30....	7	8	10	8	....	4	4	3	2	99	12	2
31....	6	....	10	8	....	4	....	2	....	78	91	....
Total	244	201	278	229	193	182	98	879	268	4939	1720	360
Mean	7.87	6.70	8.97	7.39	6.89	5.87	3.27	28.4	8.93	159	55.5	12.0
Max...	11	10	....	....	10	7	5	194	148	1840	227	102
Min...	4	4	....	....	5	4	2	2	2	2	7	2
Acre-ft	484	399	552	454	383	361	195	1750	531	9780	3410	714

**Discharge of Huerfano River at Mansanarez for Year Ending Sept. 30, 1925.
Drainage Area, 76 Square Miles. Altitude, Feet Above Sea Level.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	18	13	....	....	....	....	17	31	43	32	24	19
2....	17	14	....	....	....	....	18	31	37	32	24	17
3....	16	14	....	....	....	....	19	33	31	37	27	18
4....	16	13	....	....	....	....	19	39	30	65	45	18
5....	16	12	....	....	....	....	19	41	28	83	36	16
6....	15	12	....	....	....	....	19	41	29	45	45	19
7....	16	11	....	....	....	....	16	40	31	36	36	23
8....	18	14	....	....	....	....	16	39	28	30	43	21
9....	16	14	....	....	....	....	16	43	31	30	50	21
10....	16	12	....	....	....	....	16	50	28	32	67	20
11....	17	13	....	....	....	....	19	51	37	40	57	19
12....	18	13	....	....	....	....	21	46	35	37	50	20
13....	17	12	....	....	....	....	20	45	29	31	45	20
14....	16	12	....	....	....	....	21	45	29	29	35	19
15....	17	12	....	....	....	....	24	42	35	30	32	18
16....	16	11	....	....	....	....	41	42	41	33	30	19
17....	16	11	....	....	....	....	42	41	41	27	27	20
18....	16	12	....	....	....	....	43	46	42	27	23	20
19....	16	12	....	....	....	....	36	58	55	25	23	23
20....	16	11	....	....	....	....	36	69	46	28	28	23
21....	15	12	....	....	....	....	36	75	45	44	29	20
22....	16	13	....	....	....	....	32	69	41	51	27	20
23....	15	13	....	....	....	....	23	66	35	37	23	22
24....	14	13	....	....	....	....	22	67	45	28	23	19
25....	14	11	....	....	....	14	23	66	40	29	23	18
26....	14	12	....	....	....	14	27	67	37	28	22	19
27....	13	13	....	....	....	14	28	66	36	29	19	19
28....	13	14	....	....	....	14	26	55	43	25	19	18
29....	14	14	....	....	....	15	31	55	36	23	19	19
30....	14	14	....	....	....	16	33	60	34	23	23	16
31....	12	....	....	....	....	16	....	55	....	25	20	....
Total	483	377	....	....	....	....	759	1574	1098	1071	994	583
Mean	15.6	12.6	11.0	....	....	....	25.3	50.8	36.6	34.5	32.1	19.4
Max...	18	14	....	....	....	....	43	75	55	83	67	23
Min...	12	11	....	....	....	....	16	31	28	23	19	16
Acre-ft.	959	750	676	....	....	....	1510	3120	2180	2120	1970	1150

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Huerfano River at Mansanarez for Year Ending Sept. 30, 1926.
Drainage Area, 76 Square Miles. Altitude, . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	16	....	....	....	....	....	18	67	246	85	27	13
2....	16	....	....	....	....	....	18	81	210	94	26	12
3....	16	....	....	....	....	....	19	76	189	78	23	14
4....	17	....	....	....	....	....	19	92	180	85	25	16
5....	23	....	....	....	....	....	19	104	177	94	25	15
6....	36	....	....	....	....	....	18	101	186	78	26	14
7....	27	....	....	....	....	....	17	85	189	78	33	12
8....	24	....	....	....	....	....	18	83	165	54	34	11
9....	23	....	....	....	....	....	17	76	156	46	30	10
10....	21	....	....	....	....	....	19	76	139	54	28	10
11....	20	....	....	....	....	....	18	70	134	54	27	11
12....	16	....	....	....	....	....	17	65	139	54	24	14
13....	18	....	....	....	....	....	17	59	131	58	25	13
14....	19	....	....	....	....	....	17	61	126	50	29	10
15....	18	....	....	....	....	....	18	65	128	53	27	13
16....	17	....	....	....	....	....	23	76	116	53	26	13
17....	16	....	....	....	....	....	28	92	101	47	26	14
18....	16	....	....	....	....	....	28	101	90	40	21	10
19....	16	....	....	....	....	....	29	111	87	40	17	11
20....	18	....	....	....	....	....	29	131	85	43	16	11
21....	16	....	....	....	....	....	29	147	85	39	17	11
22....	16	....	....	....	....	....	27	183	74	40	17	13
23....	16	....	....	....	....	....	26	220	72	36	19	11
24....	16	....	....	....	....	....	40	246	68	41	18	11
25....	15	....	....	....	....	....	40	243	76	46	15	16
26....	14	....	....	....	....	....	47	253	72	39	13	18
27....	15	....	....	....	....	....	47	230	74	34	13	20
28....	15	....	....	....	....	....	43	210	72	31	16	17
29....	15	....	....	....	....	....	46	198	70	28	17	15
30....	13	....	....	....	....	....	56	217	70	28	18	14
31....	14	....	....	....	....	....	....	233	....	26	15	....
Total	558	....	....	....	....	....	807	4052	3707	1626	693	393
Mean.	18.0	....	....	....	....	....	26.9	131	124	52.5	22.4	13.1
Max.	36	....	....	....	....	....	56	253	246	....	34	20
Min.	13	....	....	....	....	....	....	59	68	26	13	10
Acre-ft.	1110	....	....	....	....	....	1600	8060	7380	3230	1380	780

Discharge of Arkansas River at Lamar for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	5	5	31	124	169	9	8	4	1	3	5	2
2....	5	7	53	150	184	9	8	4	1	5	4	2
3....	2	6	105	232	150	8	11	3	1	4	4	2
4....	2	5	146	250	143	7	6	4	1	2	3	2
5....	6	5	89	275	157	8	6	4	63	1	4	2
6....	6	5	42	193	169	7	4	5	25	1	5	2
7....	5	8	9	165	193	6	4	82	82	2	3	1
8....	5	26	7	127	224	6	4	116	237	2	6	1
9....	5	128	5	125	188	6	14	6	390	3	6	1
10....	5	400	3	154	146	6	8	2	527	21	4	1
11....	8	388	6	154	61	6	12	2	280	1090	5	1
12....	8	388	3	130	24	6	13	3	352	1740	4	1
13....	7	428	2	114	27	6	4	164	589	161	7	1
14....	8	219	2	143	20	6	45	197	161	26	198	1
15....	8	254	6	176	19	6	169	88	9	15	204	1
16....	8	189	40	143	18	5	161	251	2	14	18	1
17....	8	164	70	151	14	4	117	264	185	13	11	1
18....	10	194	86	146	26	3	111	140	1260	7	4	1
19....	8	164	124	184	44	4	104	12	534	8	6	1
20....	8	153	118	146	44	6	93	8	12	8	5	1
21....	10	135	70	114	43	7	91	4	5	6	3	1
22....	7	135	57	117	40	6	96	9	3	7	2	1
23....	8	124	118	111	36	6	136	4	6	5	2	1
24....	8	121	207	109	19	5	72	60	5	5	2	1
25....	7	86	212	110	16	4	16	7	8	5	2	1
26....	2	84	228	120	12	4	7	3	805	7	4	1
27....	7	67	173	143	13	4	6	32	238	5	3	1
28....	7	53	131	146	10	4	4	24	21	5	3	1
29....	7	53	111	143	....	6	5	16	13	4	2	1
30....	7	67	114	167	....	5	5	1	3	6	2	1
31....	8	....	160	180	....	7	....	1	....	6	2	....
Total	205	4091	2528	4736	2209	182	1340	1523	5819	3187	533	36
Mean.	6.61	136	81.5	153	78.9	5.87	44.7	49.1	194	103	17.2	1.2
Max.	....	428	228	275	224	9	169	264	1260	1740	204	2
Min.	....	....	2	109	10	3	4	1	1	1	2	1
Acre-ft.	406	8094	5010	9410	4380	361	2660	3020	11500	6330	1060	71

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Holly for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	17	31	81	173	245	84	30	10	0	0	2160	3
2....	17	31	75	205	232	70	24	19	0	0	971	3
3....	19	32	58	205	232	74	30	14	0	0	572	3
4....	19	32	58	205	232	77	35	13	0	1550	374	2
5....	19	33	35	205	232	70	19	16	0	3870	624	3
6....	19	33	78	205	277	88	27	12	0	1960	4950	2
7....	19	34	136	203	277	58	10	14	3090	639	3850	3
8....	19	34	280	203	310	58	8	43	3060	318	1680	3
9....	19	35	230	205	231	70	22	30	693	122	786	2
10....	19	35	230	220	222	51	19	1190	136	29	390	14
11....	19	36	280	210	189	58	19	758	136	137	230	101
12....	19	37	180	213	156	68	19	1090	80	142	192	125
13....	19	37	230	213	116	58	19	501	47	110	160	98
14....	19	38	230	216	131	46	15	132	24	95	882	136
15....	19	38	230	209	151	53	12	56	22	82	390	184
16....	19	39	230	219	136	53	14	78	2	38	172	390
17....	19	39	180	208	182	41	9	56	1	28	142	192
18....	19	40	110	216	146	51	10	56	2	20	122	122
19....	19	40	108	216	126	46	9	17	4	15	101	98
20....	19	41	125	219	106	38	10	6	13	10	68	85
21....	19	41	130	229	58	30	9	2	123	7450	52	90
22....	19	42	125	224	99	30	19	2	47	4440	46	93
23....	26	42	125	219	146	33	14	6	52	1680	90	119
24....	26	42	125	219	111	28	12	2	14	6050	58	95
25....	27	44	125	219	99	30	10	8	4	3560	47	90
26....	27	46	125	219	116	23	10	6	0	1560	32	93
27....	28	48	140	221	156	21	12	0	0	1290	22	85
28....	28	152	140	226	131	26	15	0	0	7570	15	66
29....	29	118	140	224	....	19	10	0	0	4990	5	72
30....	29	106	140	251	....	30	12	0	0	4730	3	68
31....	30	....	140	251	....	30	....	0	....	3920	4	....
Total	664	1396	4619	6670	4845	1512	483	4137	7550	56405	19230	2440
Mean.	21.4	46.5	149	21.5	173	48.8	16.1	13.3	252	1820	620	81.3
Max..	....	....	....	....	....	88	35	1190	3090	7570	4990	390
Min..	....	....	....	....	....	19	8	0	0	0	3	2
Acre-ft.	1320	2770	9160	13200	9610	3000	958	8180	15000	112000	38100	4840

Discharge of Arkansas River at Holly for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	78	64	150	205	308	107	43	25	1	124	2	1
2....	113	82	139	140	299	72	129	18	1	95	5	1
3....	113	116	136	246	345	72	95	26	1	72	2	1
4....	95	66	139	379	325	82	90	13	1	63	3	5
5....	85	68	210	401	308	45	53	11	1	36	2	1
6....	75	72	146	334	356	28	111	25	1	15	2	2
7....	88	101	142	345	308	26	53	56	15	12	2	2
8....	72	98	107	192	334	15	120	135	23	6	2	2
9....	75	116	101	185	401	12	69	205	272	7	2	1
10....	88	298	92	135	379	38	56	86	412	525	2	1
11....	48	400	98	135	316	33	90	140	666	156	2	2
12....	75	450	88	165	232	28	86	135	578	1170	2	1
13....	80	440	82	185	368	31	82	111	486	819	2	1
14....	72	420	52	219	246	16	107	219	724	316	1	1
15....	95	342	75	290	290	19	40	178	472	178	6	1
16....	60	390	101	299	198	11	53	308	264	135	56	1
17....	75	410	150	212	162	26	69	412	205	111	6	1
18....	50	400	153	264	107	16	107	325	860	99	2	1
19....	104	304	113	290	192	13	146	226	1270	63	1	1
20....	98	280	82	219	162	11	129	156	709	43	2	1
21....	98	304	98	212	86	23	95	111	334	31	1	1
22....	88	235	110	210	107	43	72	79	232	26	1	1
23....	68	235	100	200	90	31	31	50	129	22	1	1
24....	75	220	160	200	56	48	103	20	162	19	1	1
25....	70	200	240	200	36	45	116	20	146	8	1	1
26....	75	176	250	205	31	25	86	18	412	6	1	1
27....	66	168	196	210	79	38	76	15	983	4	1	1
28....	85	172	150	230	48	20	31	8	499	4	1	1
29....	52	139	98	260	....	43	38	6	219	8	1	1
30....	54	156	110	280	....	45	28	1	162	6	1	1
31....	72	....	132	290	....	53	....	1	....	2	1	....
Total	2442	6922	4000	7337	6169	1115	2404	3139	10240	4181	115	38
Mean.	78.8	231	129	237	220	36.0	80.1	101	341	135	3.71	1.27
Max..	113	450	....	401	401	107	146	412	1270	1170	56	5
Min..	48	64	52	135	31	11	28	1	1	2	1	1
Acre-ft.	4850	13700	7930	14600	12200	2210	4770	6210	20300	8300	228	76

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Grape Creek Near Westcliffe for Year Ending Sept. 30, 1925.
Drainage Area 346 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....							18	7.7	16	4.8	46	28
2....							18	6.8	16	3.6	37	25
3....							17	6.8	12	3.2	127	24
4....							16	7.7	9.1	19	255	22
5....				24			16	8.2	6.4	22	244	21
6....					29		13	14	5.6	43	94	21
7....							13	11	4.8	18	71	23
8....							15	7.7	4.4	13	55	23
9....							14	6.4	4.0	21	51	22
10....							12	9.1	4.4	46	138	24
11....							12	39	3.2	20	131	24
12....							11	32	4.0	15	89	23
13....						27	10	17	4.4	12	68	21
14....							10	11	3.6	9.1	56	21
15....			27				10	7.2	3.6	8.2	44	19
16....							10	7.7	3.2	7.2	36	18
17....							9	7.2	3.6	14	30	16
18....							8.6	6.8	3.2	14	25	15
19....							8.6	7.2	2.7	12	24	16
20....							8.2	11	3.2	18	22	17
21....							7.2	14	3.6	159	45	17
22....							7.7	14	2.9	92	35	17
23....							6.8	16	4.0	45	28	23
24....							6.8	14	4.8	28	26	33
25....							7.2	16	16	21	31	24
26....							7.7	16	14	18	36	21
27....					24		8.2	16	10	18	33	19
28....							8.2	18	6.8	21	29	17
29....							8.2	19	6.4	26	25	16
30....							7.7	20	5.6	26	24	14
31....								18		44	39	
Total			837	806	728	806	325.1	412.5	191.5	821.1	1994	624
Mean.			27	26	26	26	10.8	13.3	6.38	26.5	64.3	20.8
Max..							18	39	16	159	255	28
Min..							6.8	6.4	2.7	3.2	22	14
Acre-ft.			1660	1600	1440	1600	643	818	380	1630	3950	1240

Discharge of Grape Creek Near Westcliffe for Year Ending Sept. 30, 1926.
Drainage Area 346 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	14	21	33			40	46	56	245	80	16	8.8
2....	12	20	34			40	45	59	261	76	14	8.8
3....	12	26	31			40	51	68	297	85	14	8.8
4....	13	28	31			40	73	57	294	86	13	11
5....	14	21	33			40	239	58	319	100	16	12
6....	17	19	34			40	384	85	270	117	38	11
7....	15	22	36			40	230	120	259	172	52	9.4
8....	16	45	40			40	117	82	398	127	48	9.1
9....	14	54	43		25	40	84	68	390	72	38	9.1
10....	15	51	40			40	77	77	334	47	33	8.8
11....	15	42	41			40	56	187	277	42	33	9.8
12....	14	32	40			40	41	262	261	42	30	9.8
13....	14	40	28			54	38	273	294	70	24	9.4
14....	18	35	24			65	64	166	254	49	29	8.8
15....	24	42	22			60	114	82	183	43	42	8.6
16....	30	39	21			56	58	76	138	37	31	8.4
17....	32	52	22			50	44	84	104	30	26	7.6
18....	28	44	22			46	44	93	89	24	26	8.1
19....	25	37	23			44	45	127	76	18	23	7.6
20....	23	35	23			72	45	120	60	14	18	7.6
21....	21	33	23			127	71	130	49	15	16	7.4
22....	23	30	23			116	124	160	41	17	14	8.4
23....	22	39	23	17		112	53	193	34	20	14	7.8
24....	22	36	23			85	40	232	31	23	12	7.8
25....	19	35	23			42	39	292	35	29	12	8.1
26....	17	26	23			36	38	302	46	26	11	8.4
27....	16	35	23			45	40	299	43	21	10	9.1
28....	17	38	23			47	64	304	38	22	9.8	9.8
29....	17	39	23			19	46	217	37	19	8.8	9.4
30....	17	34	23			25	45	195	64	22	9.1	8.6
31....	19		23			40		228		18	9.1	
Total	575	1060	874			1621	2455	4756	5221	1563	689.8	267.3
Mean	18.5	33.3	28.2	23	25	52.3	81.8	153	174	50.4	22.3	8.91
Max..	32	54	43			127	384	304	398	172	52	12
Min..	12	19	21			19	38	56	31	14	8.8	7.4
Acre-ft.	1140	2100	1730	1430	1390	3220	4870	9410	10400	3100	1370	530

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Fountain River at Manitou for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	4	95	103	64	38	26
2....	5	88	101	66	38	19
3....	5	71	99	56	47	19
4....	6	64	103	64	37	23
5....	7	64	107	90	34	24
6....	7	67	107	88	48	21
7....	7	78	90	81	40	19
8....	7	74	92	69	37	18
9....	7	71	88	69	35	17
10....	7	64	92	83	35	16
11....	8	61	86	69	35	16
12....	10	58	85	67	34	16
13....	12	59	86	69	33	16
14....	15	59	85	69	38	15
15....	17	58	83	66	37	15
16....	20	59	74	53	34	17
17....	8	23	61	74	51	37	18
18....	8	26	66	86	51	34	18
19....	8	32	74	76	48	28	18
20....	8	35	76	62	48	28	19
21....	8	45	83	58	56	28	18
22....	7	42	90	56	54	26	18
23....	8	56	88	53	45	26	17
24....	7	58	97	50	48	26	16
25....	7	59	83	50	45	23	18
26....	7	69	107	47	41	22	18
27....	7	67	108	42	38	20	18
28....	8	67	122	38	38	18	18
29....	6	74	116	37	40	18	18
30....	6	72	110	51	42	19	18
31....	5	....	105	....	42	24	....
Total	869	2476	2261	1810	977	552
Mean.	29.0	79.9	75.4	58.4	31.5	18.4
Max.	74	122	107	90	48	28
Min.	58	37	38	18	15
Acre-ft.	1730	4910	4490	3590	1940	1090

Discharge of Apishapa River Three Miles Above Mouth for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	3	7	5	3	17	7	4	4	2	2	700	89
2....	3	5	5	3	10	7	7	4	2	2	270	10
3....	3	6	4	3	13	7	2	3	2	282	82	5
4....	3	4	10	3	20	7	2	2	2	1030	665	5
5....	3	4	14	3	20	6	2	2	2	10	1140	5
6....	3	10	16	3	17	7	2	5	2	30	772	5
7....	3	17	18	3	15	5	2	7	2	30	110	4
8....	3	9	13	3	15	7	2	83	2	17	58	4
9....	3	8	10	3	13	3	2	56	2	8	39	4
10....	4	7	7	3	13	4	2	136	2	62	133	4
11....	3	6	7	3	13	3	2	243	2	13	609	68
12....	3	5	6	3	11	3	2	22	2	7	62	10
13....	4	5	6	3	11	3	2	7	2	5	48	5
14....	4	5	4	3	10	3	2	10	2	2	34	4
15....	4	5	6	3	10	4	2	2	2	2	40	4
16....	4	5	4	3	9	3	2	2	2	2	32	3
17....	5	5	4	3	9	3	2	2	2	2	27	3
18....	20	4	5	3	9	3	2	2	2	2	19	3
19....	24	4	3	3	9	4	2	2	2	2	16	3
20....	25	4	3	3	9	3	2	2	2	2	10	3
21....	24	4	3	3	8	3	2	2	2	611	8	3
22....	24	4	4	3	8	4	3	2	2	44	8	3
23....	37	4	4	3	8	5	2	2	2	944	7	3
24....	34	4	4	3	8	4	2	2	2	91	6	3
25....	7	4	4	3	8	5	2	3	2	56	22	4
26....	8	5	4	4	8	4	2	3	2	37	17	4
27....	7	32	4	4	8	4	3	4	2	109	9	4
28....	6	7	4	4	8	6	2	3	2	1090	10	4
29....	6	4	4	4	....	5	2	2	2	290	10	4
30....	24	4	4	5	....	3	3	2	2	1540	13	9
31....	10	....	4	13	....	2	....	2	....	120	261	....
Total	314	197	193	109	317	137	70	622	60	6444	5237	282
Mean.	10.1	6.57	6.23	3.52	11.3	4.42	2.33	20.1	2.0	208	169	9.40
Max.	37	32	18	....	....	....	....	243	....	1540	1140	89
Min.	3	4	....	....	....	....	....	2	....	2	2	....
Acre-ft.	621	391	383	216	628	272	139	1240	119	12800	10400	559

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Timpas Creek at Catlin Siphon for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	5	15	40	5	31	52	2	3	13	3	145	10
2....	4	9	32	5	14	65	2	3	9	3	94	7
3....	4	4	22	10	14	68	2	3	5	3	75	7
4....	4	22	30	13	21	62	2	3	5	102	266	24
5....	8	24	28	15	21	30	8	3	5	14	1010	19
6....	26	28	22	15	22	20	8	3	5	6	1270	10
7....	19	35	45	15	22	7	4	3	9	29	174	7
8....	26	40	42	15	20	4	4	276	6	31	235	7
9....	30	56	26	15	25	4	4	135	3	23	162	4
10....	22	63	30	15	20	4	2	835	3	109	86	4
11....	22	47	15	10	16	4	2	385	3	16	94	4
12....	35	40	26	5	8	4	2	21	3	10	126	14
13....	50	45	20	5	4	45	2	13	3	106	153	20
14....	40	42	9	5	4	11	2	7	3	18	100	42
15....	35	56	15	5	4	4	2	5	3	8	13	72
16....	32	60	12	4	4	4	2	5	3	3	22	62
17....	26	40	9	4	12	4	2	5	3	3	30	55
18....	28	28	14	7	56	4	3	5	3	3	7	12
19....	26	14	14	7	68	60	3	5	3	3	5	8
20....	18	9	9	9	62	68	3	3	3	3	5	8
21....	28	17	9	14	18	55	3	3	3	16	5	8
22....	28	22	6	14	4	40	3	3	3	23	3	5
23....	18	16	18	14	9	20	3	3	3	129	3	5
24....	16	37	16	14	38	7	3	3	3	40	9	40
25....	18	35	16	14	82	4	3	3	34	25	18	37
26....	18	45	17	14	48	4	3	3	12	34	16	75
27....	18	45	20	14	45	4	3	7	8	25	6	81
28....	18	45	20	4	48	3	3	7	6	280	3	67
29....	22	30	20	5	....	2	3	13	3	49	6	38
30....	16	35	20	19	....	2	3	9	3	276	10	27
31....	12	....	20	40	....	2	....	9	....	117	10	....
Total	672	1004	642	345	740	667	91	1784	171	1510	4161	779
Mean	21.7	33.5	20.7	11.1	26.4	21.5	3.03	57.5	5.70	48.7	134	26
Max.	50	63	45	40	82	68	8	835	34	280	1270	81
Min.	4	4	9	4	4	2	2	3	3	3	3	4
Acre-ft.	1330	1990	1270	682	1470	1320	180	3540	339	2990	8240	1550

Discharge of Timpas Creek at Catlin Siphon for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	9	34	21	23	58	37	34	4	42	5	4	2
2....	9	14	12	29	54	76	23	3	22	3	3	2
3....	5	16	21	14	57	56	14	11	13	15	3	2
4....	5	23	8	10	54	10	10	12	23	5	3	2
5....	5	18	40	6	63	24	23	5	32	8	3	2
6....	16	14	76	36	58	25	34	4	20	5	3	3
7....	16	72	85	34	41	28	34	5	10	16	3	3
8....	38	79	64	36	35	28	32	5	32	21	3	3
9....	68	90	58	28	54	15	34	5	56	25	3	18
10....	69	78	55	23	58	15	40	4	53	29	45	13
11....	76	92	71	54	54	14	52	7	59	40	5	3
12....	34	85	71	54	54	15	65	5	28	71	4	3
13....	68	68	64	45	60	18	34	8	24	56	3	3
14....	97	64	51	35	67	23	61	17	20	16	197	3
15....	147	58	9	41	60	23	14	45	14	10	5	3
16....	112	71	9	47	37	18	46	23	18	10	3	3
17....	90	82	15	47	35	18	84	8	12	3	3	3
18....	82	74	32	50	35	18	59	4	23	2	3	3
19....	47	64	23	35	32	34	14	4	71	8	10	3
20....	82	56	9	41	35	46	10	4	58	10	3	3
21....	42	56	9	45	24	21	26	3	22	3	3	23
22....	54	56	9	35	15	72	25	5	17	3	3	16
23....	41	26	38	35	10	72	14	8	10	8	3	4
24....	35	12	54	37	10	69	14	18	5	5	2	3
25....	35	8	30	35	40	65	14	23	8	5	3	3
26....	54	8	22	19	35	85	9	20	156	5	3	3
27....	67	8	85	13	35	102	6	60	22	5	3	3
28....	54	12	30	7	35	117	6	26	8	5	3	6
29....	63	25	27	54	....	102	5	43	5	3	3	16
30....	54	31	51	58	....	59	5	27	6	3	3	10
31....	47	....	32	54	....	40	....	38	....	3	2	....
Total	1621	1394	1181	1080	1195	1345	841	454	889	406	340	167
Mean	52.3	46.5	38.1	34.8	42.7	43.4	28.0	14.6	29.6	13.1	11.0	5.57
Max.	147	92	85	58	67	117	84	60	156	71	197	23
Min.	5	8	8	7	10	10	5	3	5	2	2	2
Acre-ft.	3220	2770	2340	2140	2370	2670	1670	898	1760	806	676	331

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Timpas Creek at Mouth for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	47	33	77	22	42	58	21	20	70	18	190	37
2....	49	45	73	22	27	75	35	18	62	20	152	46
3....	59	40	70	27	25	90	25	18	52	20	119	56
4....	47	47	109	30	48	66	18	18	39	309	380	68
5....	55	59	100	32	41	46	42	17	25	39	1040	54
6....	80	77	85	32	50	77	41	14	27	22	1500	39
7....	77	90	118	32	46	66	21	14	68	100	268	44
8....	77	90	115	32	52	62	35	230	54	88	283	62
9....	95	118	100	32	54	62	30	278	35	70	271	64
10....	87	118	80	32	46	50	42	842	37	237	170	54
11....	75	103	66	27	37	46	41	740	32	88	184	35
12....	75	93	70	22	35	46	42	81	28	66	217	54
13....	136	82	66	22	35	95	33	24	21	216	310	75
14....	109	85	51	22	54	60	20	13	24	64	199	75
15....	103	95	42	22	56	64	15	20	25	35	119	100
16....	100	130	42	22	50	50	17	21	22	21	98	105
17....	90	115	68	22	52	37	17	39	21	22	105	98
18....	85	68	40	25	62	44	18	37	20	18	58	77
19....	93	57	40	25	70	88	21	22	22	21	42	62
20....	82	42	40	27	68	102	25	15	25	40	33	46
21....	82	51	40	27	46	88	21	21	30	112	50	48
22....	93	59	40	32	25	84	21	21	30	112	50	48
23....	77	64	45	32	28	64	21	18	18	483	52	58
24....	64	80	45	32	48	32	25	22	22	238	42	86
25....	68	85	45	32	90	21	25	24	60	144	35	88
26....	73	82	45	32	56	20	25	27	40	93	42	114
27....	66	75	40	32	52	21	27	37	32	102	44	129
28....	57	75	40	24	50	21	25	105	30	493	42	124
29....	55	68	40	17	....	20	24	64	22	119	42	90
30....	49	80	40	22	....	22	22	56	17	377	35	66
31....	34	....	40	52	....	24	....	66	....	179	33	....
Total	2339	2310	1912	863	1345	1701	795	2941	1007	3904	6199	2110
Mean.	75.5	77.0	61.7	27.8	48.0	54.9	26.5	94.9	33.6	126	200	70.3
Max...	136	130	118	....	90	102	42	842	70	493	1500	129
Min...	34	33	....	....	25	20	17	13	17	18	33	35
Acre-ft.	4640	4580	3790	1710	2670	3380	1580	5840	2000	7750	12300	4180

Discharge of Crooked Arroyo at Mouth for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	3	14	28	....	3	9	2	1	1	2	81	5
2....	3	14	29	....	3	2	2	1	1	2	84	9
3....	5	14	32	....	2	1	2	1	1	2	12	10
4....	15	14	26	....	3	1	2	1	1	13	25	10
5....	17	14	20	....	3	4	2	1	1	5	14	7
6....	13	14	12	....	3	22	2	1	1	3	42	6
7....	7	14	17	....	3	25	2	1	1	14	79	4
8....	5	14	13	3	2	29	2	132	2	32	69	4
9....	4	14	7	....	2	34	1	270	2	23	51	7
10....	3	14	6	....	2	28	1	604	1	32	27	8
11....	5	13	5	....	2	20	1	270	1	30	62	5
12....	15	12	10	....	1	22	2	12	1	32	61	12
13....	18	15	10	....	1	14	2	4	1	41	81	27
14....	8	16	9	....	1	16	2	1	1	4	45	32
15....	7	18	11	....	2	14	2	1	1	5	27	34
16....	7	18	9	....	4	6	2	1	1	6	38	34
17....	7	15	9	....	5	6	2	1	1	5	36	33
18....	7	10	8	....	8	5	3	1	1	5	18	29
19....	9	9	4	....	11	4	3	1	1	2	8	30
20....	12	12	4	....	6	4	2	4	1	44	8	24
21....	11	14	4	....	6	4	1	8	1	78	12	17
22....	12	9	4	....	5	4	1	10	1	92	14	18
23....	9	11	4	....	3	4	1	12	1	106	12	25
24....	8	20	4	....	3	3	1	8	1	75	10	33
25....	11	21	3	....	6	3	1	8	1	50	6	36
26....	8	26	3	....	2	2	1	12	2	30	2	39
27....	8	32	3	....	7	1	1	118	2	25	2	35
28....	9	30	2	....	2	1	1	56	2	100	3	39
29....	10	32	2	2	....	1	1	9	1	25	3	39
30....	11	27	2	2	....	1	1	3	2	90	4	36
31....	14	....	2	2	....	1	....	1	....	85	3	....
Total	281	500	302	....	101	291	49	1554	36	1059	939	647
Mean.	9.06	16.7	9.74	2.0	3.61	9.39	1.63	50.1	1.20	34.1	30.3	21.6
Max...	18	32	....	....	11	34	3	604	2	106	84	39
Min...	3	9	....	....	1	1	1	1	1	2	2	2
Acre-ft.	557	994	599	123	200	577	97	3080	71	2100	1860	1290

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Furgatoire River at Trinidad for Year Ending Sept. 30, 1925.
Drainage Area, 742 Square Miles. Altitude, 5,990 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	9	10	34	15	35	30	14	9	65	23	142	51
2.....	14	12	36	12	40	29	13	9	62	24	230	46
3.....	21	11	34	15	37	29	13	13	56	25	227	42
4.....	15	10	47	15	63	29	12	13	50	138	340	40
5.....	15	11	42	13	69	35	11	14	44	74	336	42
6.....	14	12	44	13	63	36	10	14	56	45	301	51
7.....	16	11	47	13	54	34	10	21	60	30	278	105
8.....	23	15	31	12	41	31	8	21	56	23	247	42
9.....	23	17	41	12	31	28	8	17	52	121	199	51
10.....	20	15	35	12	35	24	8	35	54	31	247	37
11.....	19	15	48	16	30	24	6	45	56	13	199	175
12.....	18	14	56	15	40	27	5	34	56	8	194	80
13.....	17	16	38	15	38	28	2	25	58	8	190	112
14.....	17	18	38	16	47	29	2	23	46	9	185	80
15.....	15	21	35	18	39	25	2	21	40	11	130	39
16.....	15	18	35	15	47	31	2	20	34	3	68	28
17.....	15	23	38	16	44	25	2	22	41	4	54	35
18.....	15	17	23	20	48	20	2	21	48	3	40	37
19.....	15	19	23	20	41	16	2	20	45	19	250	33
20.....	15	22	23	22	41	16	2	19	47	44	89	39
21.....	15	22	24	22	40	16	2	33	40	494	105	30
22.....	15	23	24	22	36	17	2	38	34	3620	92	35
23.....	18	23	24	22	33	18	4	35	31	1680	66	40
24.....	17	17	22	30	30	19	4	41	54	492	58	56
25.....	18	29	22	30	29	21	5	42	50	305	86	51
26.....	17	14	20	26	29	25	5	37	38	228	134	49
27.....	14	29	20	28	29	20	4	35	50	159	74	35
28.....	13	22	18	28	31	20	8	38	52	94	44	31
29.....	13	25	18	30	....	18	10	50	41	136	39	30
30.....	13	31	16	30	....	16	9	47	30	181	56	56
31.....	15	....	16	35	....	16	....	65	....	192	174	....
Total	499	543	972	608	1140	752	187	877	1446	8237	4874	1578
Mean	16.1	18.1	31.4	19.6	40.7	24.3	6.23	28.3	48.2	266	157	52.6
Max.	23	31	50	35	69	36	13	65	65	3620	340	175
Min.	9	10	16	12	29	16	2	9	30	3	39	28
Acre-ft.	990	1080	1930	1200	2260	1490	371	1740	2870	16400	9650	3130

Discharge of Furgatoire River at Trinidad for Year Ending Sept. 30, 1926.
Drainage Area, 742 Square Miles. Altitude, 5,990 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	63	35	26	12	41	28	94	287	462	170	99	45
2.....	31	31	28	17	50	26	80	314	528	246	94	32
3.....	31	31	24	18	46	26	195	292	576	255	82	32
4.....	31	33	25	24	32	25	217	287	495	260	149	36
5.....	33	25	26	18	31	22	236	320	495	195	187	43
6.....	33	30	26	32	31	31	236	359	495	246	178	32
7.....	31	58	37	7	37	25	222	274	512	204	203	29
8.....	30	44	42	21	37	21	199	271	512	163	163	28
9.....	30	44	33	17	39	28	199	255	495	134	128	28
10.....	35	37	40	16	31	37	174	282	471	169	245	26
11.....	37	35	25	16	34	36	204	303	487	170	187	29
12.....	33	30	33	16	25	29	260	326	503	141	128	39
13.....	33	35	28	18	21	26	241	314	487	138	96	34
14.....	44	30	20	19	16	31	217	292	439	108	166	26
15.....	49	30	11	16	26	29	212	276	390	186	141	25
16.....	44	35	14	13	18	26	203	314	351	148	118	19
17.....	46	35	17	15	22	26	231	364	326	124	114	22
18.....	49	39	46	16	7	26	231	404	397	108	94	21
19.....	46	40	18	17	24	31	241	397	309	108	72	21
20.....	46	42	15	16	36	36	282	441	282	402	64	17
21.....	49	23	13	15	41	88	287	462	260	108	64	13
22.....	35	26	12	25	31	85	246	454	260	241	74	14
23.....	35	35	12	29	28	77	255	487	255	128	74	11
24.....	40	37	10	22	31	99	292	487	246	124	115	8
25.....	37	26	39	22	17	96	320	462	250	212	69	13
26.....	30	23	14	18	26	74	338	479	265	533	52	14
27.....	30	25	10	17	34	72	357	446	217	159	45	16
28.....	34	28	12	29	32	80	303	390	170	178	43	17
29.....	31	26	10	29	....	94	250	467	163	148	43	14
30.....	35	26	13	29	....	67	246	439	170	195	50	9
31.....	33	....	10	32	....	69	....	439	....	134	52	....
Total	1156	994	686	611	844	1466	7068	11351	11268	5535	3389	713
Mean	37.5	33.4	22.4	19.7	30.4	47.3	236	366	376	178	109	23.8
Max.	63	58	46	32	50	99	357	487	576	533	245	45
Min.	30	23	10	7	7	24	80	255	163	102	43	9
Acre-ft.	2290	1970	1360	1210	1670	2910	14060	22500	22400	10900	6700	1420

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Purgatoire River near Alfalfa for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	10	11	....	....	....	....	9	2	0	0	122	22
2....	9	11	....	....	....	....	9	1	1	0	40	19
3....	11	13	....	....	....	....	8	1	0	17	45	15
4....	11	14	....	....	....	....	10	1	0	24	721	14
5....	11	13	....	....	....	....	10	2	0	14	198	14
6....	11	13	....	....	....	....	8	2	0	14	57	17
7....	10	13	....	....	....	....	5	1	0	1	43	16
8....	21	13	....	....	....	....	7	2	0	0	78	16
9....	17	15	....	....	....	....	6	25	0	10	66	30
10....	15	15	....	....	....	....	4	23	0	9	81	220
11....	33	14	....	....	....	....	3	20	0	4	86	269
12....	14	13	....	....	....	....	3	10	0	3	40	185
13....	13	13	....	....	....	....	3	7	0	2	41	56
14....	13	14	....	....	....	....	2	16	1	1	25	52
15....	11	15	....	....	....	....	2	3	0	1	24	38
16....	8	13	....	....	....	....	1	1	0	0	23	33
17....	7	13	....	....	....	....	1	1	0	0	22	28
18....	6	12	....	....	....	....	1	1	1	0	62	24
19....	9	12	....	....	....	....	0	1	1	23	79	21
20....	11	13	....	....	....	....	0	0	1	921	361	20
21....	15	13	....	....	....	....	0	1	3	556	102	20
22....	17	11	....	....	....	....	0	1	1	1200	42	19
23....	32	13	....	....	....	....	1	1	0	3600	40	21
24....	17	14	....	....	....	....	1	1	7	700	23	24
25....	16	11	....	....	....	....	1	2	1	160	37	22
26....	15	9	....	....	....	....	1	1	0	320	56	20
27....	17	10	....	....	....	....	1	1	0	440	25	16
28....	15	12	....	....	....	9	1	1	0	325	22	14
29....	12	14	....	....	....	9	2	0	1	650	25	13
30....	10	14	....	....	....	9	2	0	0	220	24	11
31....	10	....	....	....	....	10	....	0	....	165	22	....
Total	427	384	....	....	....	....	102	129	18	9380	2632	1289
Mean.	13.8	12.8	12	10	9	9	3.40	4.16	0.60	303	84.9	43.0
Max..	33	15	....	....	....	....	10	25	7	....	721	269
Min..	6	9	....	....	....	....	0	0	0	0	22	11
Acre-ft.	848	762	738	615	500	553	202	256	37	18600	5220	2650

Discharge of Purgatoire River near Alfalfa for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	23	14	....	....	....	....	100	83	90	46	18	8
2....	15	13	....	....	....	....	90	82	88	49	21	9
3....	13	13	....	....	....	....	110	80	87	43	15	8
4....	12	12	....	....	....	....	115	101	253	48	15	10
5....	13	12	....	....	....	....	120	90	249	48	18	19
6....	14	13	....	....	....	....	150	115	118	56	26	16
7....	13	17	....	....	....	....	175	461	148	62	32	12
8....	12	22	....	....	....	....	175	124	158	30	26	12
9....	14	22	....	....	....	....	240	93	216	21	24	12
10....	14	18	....	....	....	....	270	160	601	140	72	12
11....	13	17	....	....	....	....	320	280	335	320	62	10
12....	12	14	....	....	....	....	410	300	286	82	26	12
13....	14	14	....	....	....	....	428	325	272	56	26	16
14....	124	15	....	....	....	....	370	419	228	42	59	13
15....	45	14	....	....	....	....	340	432	212	32	35	12
16....	20	23	....	....	....	....	300	273	144	25	28	11
17....	18	21	....	....	....	....	156	186	118	16	26	8
18....	18	18	....	....	....	....	131	146	94	15	26	8
19....	18	16	....	....	....	....	133	283	118	15	24	9
20....	18	15	....	....	....	....	204	314	72	12	18	10
21....	18	14	....	....	....	....	263	260	61	11	13	9
22....	17	14	....	....	....	....	318	358	56	324	13	10
23....	16	14	....	....	....	....	210	290	70	68	12	10
24....	16	14	....	....	....	....	146	328	157	163	14	10
25....	17	14	....	....	....	....	126	280	51	78	13	9
26....	16	14	....	....	....	....	266	290	44	51	14	11
27....	14	14	....	....	....	....	160	457	43	215	12	12
28....	14	14	....	....	....	....	192	339	41	52	12	14
29....	14	14	....	....	....	....	131	216	32	70	10	14
30....	15	14	....	....	....	....	86	237	33	41	14	14
31....	16	....	....	....	....	....	....	106	....	34	15	....
Total	616	463	....	....	....	....	6135	7508	4495	2265	739	340
Mean.	19.9	15.4	15.0	12.0	25.0	40.0	204	242	150	73.1	23.8	11.3
Max..	124	23	....	....	....	....	428	461	601	324	72	19
Min..	12	12	....	....	....	....	86	80	32	11	10	8
Acre-ft.	1220	916	922	738	1390	2460	12100	14900	8930	4490	1460	672

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Purgatoire River at Nine Mile Dam for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept	
1....	0	14	....	....	....	....	6	0	1	0	292	14	
2....	0	12	....	....	....	....	33	0	0	0	364	11	
3....	3	11	....	....	....	....	46	0	0	153	230	8	
4....	6	14	....	....	....	....	29	0	0	154	1520	8	
5....	3	13	....	....	....	....	20	0	0	30	3140	11	
6....	2	11	....	....	....	....	15	0	0	14	708	13	
7....	3	12	....	....	....	....	11	0	1050	16	286	14	
8....	5	13	....	....	....	....	18	0	120	9	201	9	
9....	5	13	....	....	....	....	16	7	25	188	171	5	
10....	4	13	....	....	....	....	15	19	0	364	144	8	
11....	5	13	....	....	....	....	14	32	0	112	209	102	
12....	5	13	....	....	....	....	13	13	0	144	386	370	
13....	6	14	....	....	....	....	9	13	0	50	150	358	
14....	11	14	....	....	....	....	8	16	0	41	48	238	
15....	7	13	....	....	....	....	5	10	0	34	36	154	
16....	6	13	....	....	....	....	4	6	0	16	33	147	
17....	6	13	....	....	....	....	18	3	7	0	9	29	110
18....	6	15	....	....	....	....	19	1	2	0	18	24	80
19....	5	15	....	....	....	....	25	1	1	0	14	19	50
20....	6	15	....	....	....	....	26	1	1	0	8	22	40
21....	8	12	....	....	....	....	31	0	0	8	3040	132	33
22....	12	14	....	....	....	....	28	0	0	45	555	150	26
23....	12	12	....	....	....	....	22	0	0	22	3240	100	28
24....	12	12	....	....	....	....	16	0	0	20	1760	45	23
25....	26	37	....	....	....	....	16	0	0	15	398	41	19
26....	22	19	....	....	....	....	11	0	0	332	30	17	
27....	19	15	....	....	....	....	15	0	183	0	609	22	20
28....	15	25	....	....	....	....	12	0	82	0	970	38	14
29....	14	25	....	....	....	....	9	0	21	0	550	26	9
30....	14	25	....	....	....	....	8	0	11	0	1370	18	10
31....	14	....	....	....	....	....	7	....	3	....	465	15	....
Total	262	460	....	....	....	....	268	427	1306	14663	8629	1949	
Mean.	8.45	15.3	16	10	15	18	8.93	13.8	43.5	473	278	65	
Max..	26	37	....	....	....	....	46	183	1050	3240	3140	370	
Min...	0	11	....	....	....	....	0	0	0	0	15	5	
Acre-ft.	520	910	984	615	833	1110	531	848	2590	29100	17100	3870	

Discharge of Purgatoire River at Nine Mile Dam for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept
1....	8	14	....	....	....	65	120	189	214	58	70	5
2....	6	14	....	....	....	65	123	194	167	46	46	5
3....	6	15	....	....	....	70	115	198	214	96	36	6
4....	8	16	....	....	....	74	104	225	266	41	26	6
5....	14	16	....	....	....	70	120	266	190	34	25	6
6....	16	16	....	....	....	68	140	273	162	44	13	5
7....	10	42	....	....	....	68	144	266	294	40	12	4
8....	10	56	....	....	....	72	171	510	115	37	14	9
9....	10	30	....	....	....	84	199	237	171	49	13	7
10....	11	25	....	....	....	79	203	194	185	389	14	5
11....	11	27	....	....	....	70	308	243	273	2200	115	5
12....	11	28	....	....	....	74	336	450	336	336	88	5
13....	12	22	....	....	....	74	450	430	243	176	74	5
14....	14	27	....	....	....	88	470	566	194	123	517	5
15....	27	31	....	....	....	81	532	500	162	123	243	4
16....	78	26	....	....	....	74	440	266	220	126	126	5
17....	40	24	....	....	....	70	420	315	144	91	72	5
18....	25	27	....	....	....	70	249	280	194	84	54	5
19....	22	25	....	....	....	64	231	273	199	81	49	4
20....	24	29	....	....	....	60	249	395	214	74	28	5
21....	16	25	....	....	....	84	460	329	160	64	24	4
22....	16	26	....	....	....	104	543	254	140	64	20	4
23....	16	22	....	....	....	96	430	403	120	243	16	4
24....	16	22	....	....	....	126	370	231	254	280	13	4
25....	17	22	....	....	....	118	344	280	243	260	11	3
26....	15	21	....	....	....	106	314	249	326	254	8	3
27....	15	21	....	....	....	98	480	304	84	144	8	4
28....	16	22	....	....	....	106	280	353	64	194	8	6
29....	16	21	....	....	....	120	304	344	64	180	7	7
30....	16	21	....	....	....	112	243	243	72	104	7	7
31....	14	....	....	....	....	112	....	280	....	104	6	....
Total	530	739	....	....	....	2622	8919	9537	5684	6442	1763	152
Mean.	17.1	24.6	18.0	20.0	30.0	84.6	297	308	189	198	56.9	5.07
Max..	78	56	....	....	....	126	543	566	336	2200	517	9
Min...	6	14	....	....	....	60	104	189	64	37	6	3
Acre-ft.	1050	1460	1410	1230	1670	5200	17700	18900	11200	12200	3500	302

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Purgatoire River near Las Animas for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	1	7	20	10	20	26	1	3	4	1	499	2
2....	2	9	25	10	20	23	1	3	1	1	627	2
3....	1	13	33	10	20	26	2	2	2	1	774	2
4....	1	19	25	10	20	24	12	2	0	529	685	2
5....	1	18	20	10	25	23	35	2	0	98	3950	2
6....	1	13	23	10	30	22	22	2	114	35	1260	2
7....	1	16	15	10	35	20	13	2	1510	12	671	2
8....	1	15	16	10	45	20	7	2	98	4	209	2
9....	1	22	15	10	50	17	4	563	65	8	171	2
10....	1	27	15	10	50	16	3	125	65	460	129	2
11....	1	28	15	11	50	12	2	134	28	246	224	121
12....	2	20	20	11	50	16	1	45	16	126	144	148
13....	2	20	25	11	50	23	1	8	10	102	1890	402
14....	2	22	22	11	40	29	1	3	4	46	310	310
15....	7	25	30	11	30	42	1	3	2	28	204	256
16....	7	22	27	11	20	52	1	2	2	11	132	136
17....	3	22	15	11	20	60	1	2	1	8	52	80
18....	3	19	10	11	42	50	0	5	1	4	36	42
19....	3	16	10	11	40	38	0	6	1	3	150	8
20....	6	15	7	11	45	22	0	4	1	63	65	2
21....	10	13	8	11	47	10	0	0	0	4150	23	1
22....	9	18	10	11	47	7	0	0	0	1340	310	1
23....	4	19	10	11	47	5	1	0	1	3300	125	3
24....	4	20	10	11	40	4	1	1	1	3630	42	5
25....	6	24	10	11	38	4	2	3	1	1770	8	3
26....	7	35	10	11	38	3	2	6	1	754	7	3
27....	5	31	10	11	35	3	2	11	1	754	2	2
28....	5	24	10	11	29	3	2	147	1	1130	1	2
29....	7	28	10	11	....	2	2	56	1	1170	9	2
30....	11	20	10	12	....	1	2	12	1	1900	9	3
31....	20	....	10	15	....	1	....	4	....	1360	2	....
Total	135	600	496	336	1023	604	122	1158	1933	23044	12620	1550
Mean.	4.35	20.0	16.0	10.8	36.5	19.5	4.07	37.4	64.4	743	407	51.7
Max..	20	35	....	....	....	60	35	563	1510	4150	3950	402
Min..	1	7	....	....	....	1	0	0	0	1	1	1
Acre-ft.	267	1190	984	664	2030	1200	242	2300	3830	45700	25000	3080

Discharge of Purgatoire River near Las Animas for Year Ending Sept. 30, 1926.

Day.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	4	10	23	18	35	47	123	119	532	8	9	1
2....	4	7	38	18	31	38	119	82	261	4	5	2
3....	7	8	30	20	35	29	140	73	170	3	3	1
4....	10	6	14	24	62	19	130	70	310	47	2	2
5....	2	8	9	33	54	19	140	76	490	10	2	2
6....	2	10	16	26	108	36	192	115	382	6	1	2
7....	2	38	24	35	105	54	192	192	349	7	1	1
8....	18	62	32	36	70	31	165	334	399	7	1	1
9....	65	96	52	35	82	22	198	334	240	10	1	1
10....	54	83	52	22	70	18	192	198	444	600	2	1
11....	42	67	60	33	24	16	342	140	274	3660	2	1
12....	18	44	67	33	19	19	326	374	665	1050	76	1
13....	23	38	54	33	20	40	490	480	574	250	29	1
14....	32	40	28	59	21	33	765	435	160	112	249	1
15....	44	30	20	33	21	24	553	553	326	73	542	1
16....	49	47	16	22	17	18	654	778	254	52	216	1
17....	52	42	52	31	21	15	563	501	186	40	73	1
18....	52	42	83	45	40	13	563	382	198	50	38	1
19....	52	28	23	27	64	17	275	358	198	45	21	1
20....	42	34	20	33	27	11	165	382	135	45	15	1
21....	40	32	20	38	22	38	170	630	108	35	4	1
22....	34	34	15	26	24	85	366	532	64	25	3	1
23....	30	36	15	33	19	67	522	584	45	25	4	1
24....	23	24	20	35	22	26	268	382	29	216	36	1
25....	21	23	20	35	38	22	150	289	517	130	7	1
26....	28	23	20	33	52	57	150	417	1330	101	2	2
27....	30	30	16	38	42	45	192	408	105	76	1	2
28....	21	30	16	38	38	59	254	471	14	24	14	3
29....	11	30	16	70	....	85	145	584	7	145	4	3
30....	17	28	16	57	....	155	186	511	5	59	3	2
31....	18	....	16	47	....	119	....	501	....	47	1	....
Total	847	1030	903	1066	1183	1277	8690	11285	8771	6962	1367	41
Mean.	27.3	34.3	29.1	34.4	42.2	41.2	290	364	292	225	44.1	1.37
Max..	65	96	83	70	108	155	765	778	1330	3660	542	3
Min..	2	6	9	18	17	11	119	70	5	3	1	1
Acre-ft.	1680	2040	1790	2120	2340	2530	17300	22400	17400	13800	2710	82

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Wild Horse Creek near Holly for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	0	16	34	.....	4	12	.....	.....	0	0	37	0
2.....	0	13	89	.....	3	0	.....	.....	0	0	37	0
3.....	0	6	2	.....	2	3	.....	.....	0	5	49	0
4.....	0	0	10	.....	2	15	.....	.....	0	62	36	0
5.....	0	13	34	.....	2	7	.....	.....	0	27	43	0
6.....	2	6	13	.....	2	4	.....	.....	0	3	36	0
7.....	1	10	16	.....	2	8	.....	.....	9	2	49	0
8.....	13	13	10	.....	2	4	.....	.....	15	0	34	0
9.....	10	6	10	.....	2	5	.....	.....	13	0	16	0
10.....	6	6	6	.....	2	5	.....	.....	0	0	12	1
11.....	2	6	8	.....	2	2	.....	.....	0	0	12	12
12.....	13	6	6	.....	2	9	.....	.....	0	0	16	8
13.....	10	10	2	.....	0	4	.....	.....	0	0	8	26
14.....	6	6	0	.....	2	10	.....	.....	0	0	8	49
15.....	6	6	3	.....	5	1	.....	.....	0	0	10	105
16.....	2	4	6	.....	0	1	.....	.....	0	0	16	70
17.....	2	4	0	.....	0	4	.....	.....	0	0	0	43
18.....	6	6	7	.....	0	5	.....	.....	0	0	0	41
19.....	10	6	7	.....	0	1	.....	.....	0	0	0	1
20.....	13	6	6	.....	0	2	.....	.....	0	0	12	1
21.....	13	6	6	.....	0	3	.....	.....	1	0	0	1
22.....	8	6	5	.....	5	1	.....	.....	0	20	0	1
23.....	2	4	5	.....	17	4	.....	.....	0	26	0	12
24.....	13	6	0	.....	17	1	.....	.....	0	18	0	16
25.....	6	6	5	.....	44	1	.....	.....	0	37	0	26
26.....	6	22	5	.....	44	3	.....	.....	0	14	0	26
27.....	4	108	6	.....	13	2	.....	.....	0	4	1	16
28.....	1	47	5	.....	13	0	.....	.....	0	56	1	26
29.....	0	23	4	.....	.....	0	.....	.....	0	49	8	20
30.....	6	0	4	.....	.....	0	.....	.....	0	37	0	12
31.....	18	.....	4	.....	.....	0	.....	.....	.....	43	0	.....
Total	179	377	318	.....	187	117	0	0	38	403	441	513
Mean	5.77	12.6	10.3	4.0	6.68	3.77	0	0	1.27	13.0	14.2	17.1
Max.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Min.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Acres-ft.	355	750	633	246	371	232	0	0	76	799	873	1020

Discharge of Wild Horse Creek near Holly for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	11	24	11	0	0	0	0	8	0	0	0	0
2.....	11	1	7	0	0	0	0	18	9	0	0	0
3.....	10	20	48	0	0	0	0	15	0	0	0	0
4.....	8	0	115	0	0	0	0	12	9	0	0	0
5.....	5	0	140	0	0	0	0	13	0	0	0	0
6.....	0	0	62	0	0	0	0	12	0	0	0	0
7.....	1	0	107	0	0	0	10	33	0	0	0	0
8.....	8	0	83	0	0	0	11	6	41	0	0	0
9.....	7	0	83	0	0	0	15	18	41	0	0	0
10.....	4	0	42	0	0	0	18	59	51	14	0	0
11.....	5	15	7	0	0	0	15	52	70	41	0	0
12.....	7	20	1	0	0	0	84	52	41	48	0	0
13.....	1	7	1	0	0	0	6	45	70	14	0	0
14.....	1	15	0	0	0	0	75	102	85	28	0	0
15.....	20	1	25	0	0	0	52	38	200	20	0	0
16.....	24	0	30	0	0	0	84	130	93	6	0	0
17.....	1	0	11	0	0	0	67	102	32	0	9	0
18.....	20	1	15	0	0	0	1	120	120	6	6	0
19.....	65	0	20	0	0	0	0	51	93	0	0	0
20.....	103	0	24	0	0	0	0	102	17	9	0	0
21.....	62	42	6	0	15	0	67	93	32	7	0	0
22.....	48	42	30	0	49	0	6	63	24	6	0	0
23.....	30	42	25	0	0	0	0	56	14	0	0	0
24.....	1	83	10	0	0	0	6	56	3	0	0	0
25.....	15	76	5	0	0	0	59	14	0	1	0	0
26.....	42	76	5	0	0	0	15	14	6	0	0	0
27.....	99	68	0	0	0	0	28	9	0	0	0	0
28.....	42	62	0	0	0	38	15	12	0	0	0	0
29.....	7	62	0	0	.....	52	21	46	7	0	0	0
30.....	76	36	0	0	.....	52	15	9	3	0	0	0
31.....	30	0	0	0	.....	0	.....	9	.....	0	0	.....
Total	761	693	913	0	64	142	870	1371	1061	200	15	0
Mean	24.6	23.1	29.5	0	2.29	4.58	22.3	44.2	35.4	6.45	0.48	0
Max.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Min.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Acres-ft.	1510	1270	1810	0	127	282	1330	2720	2110	397	29	0

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Holly Drain near Coolidge, Kans., for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	40	35	29	33	33	31	32	26	34	30	47	28
2....	42	35	30	33	33	32	32	26	33	30	47	29
3....	42	34	32	32	32	33	32	26	34	30	54	29
4....	43	42	30	33	31	32	32	26	34	42	47	31
5....	42	39	33	33	31	31	31	26	33	40	39	31
6....	40	35	35	32	31	31	31	29	32	32	35	33
7....	42	36	38	32	31	31	30	32	33	28	35	32
8....	45	35	37	32	31	32	30	33	37	28	37	34
9....	41	34	34	33	31	30	30	30	36	27	33	36
10....	42	34	31	32	31	30	30	29	34	27	31	37
11....	48	33	31	33	31	31	29	28	33	27	29	36
12....	43	34	31	33	31	32	29	29	31	27	29	33
13....	42	36	31	32	37	32	29	30	30	26	28	33
14....	43	36	32	31	34	33	28	31	29	26	31	50
15....	44	35	32	32	32	34	28	31	30	27	31	38
16....	41	35	31	33	31	33	28	32	31	31	31	33
17....	36	34	32	32	37	34	28	32	32	33	31	34
18....	34	35	33	32	38	36	28	32	33	33	31	30
19....	35	42	32	32	36	36	28	33	32	34	29	28
20....	34	44	32	31	37	37	28	33	32	37	31	26
21....	36	40	32	31	34	36	29	33	34	33	32	26
22....	34	33	32	32	35	34	28	30	30	38	30	27
23....	36	30	32	32	33	35	28	31	29	37	30	26
24....	36	31	32	32	32	34	27	32	29	37	29	21
25....	36	34	32	32	34	34	26	36	30	36	30	19
26....	36	35	32	33	36	34	26	34	30	32	31	23
27....	38	40	31	32	31	34	26	32	30	33	30	24
28....	43	32	32	32	31	34	26	32	30	38	29	24
29....	46	29	31	33	....	33	26	36	30	44	29	21
30....	57	28	31	33	....	34	26	35	32	39	28	27
31....	36	....	31	33	....	32	....	35	....	42	28	....
Total	1253	1055	994	1001	925	1025	861	960	957	1024	1032	899
Mean.	40.4	35.2	32.1	32.3	33.0	33.1	28.7	31.0	31.9	33	33.3	30
Max..	57	44	38	33	38	37	32	36	37	44	54	50
Min..	34	28	29	31	31	30	26	26	29	26	28	19
Acre-ft.	2480	2090	1970	1990	1830	2040	1710	1910	1900	2030	2050	1790

Discharge of Holly Drain near Coolidge, Kans., for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	27	28	27	32	27	24	26	38	60	37	33	22
2....	27	32	27	32	26	25	26	41	65	32	33	22
3....	26	35	25	32	27	25	27	39	70	33	32	26
4....	26	31	27	31	26	28	26	38	70	31	31	32
5....	26	32	27	31	26	40	27	41	55	32	32	34
6....	26	32	27	31	26	38	26	48	40	32	30	34
7....	25	32	28	31	25	40	26	53	45	39	31	28
8....	26	32	28	31	25	44	26	52	45	36	33	26
9....	25	32	29	31	25	47	25	39	50	45	30	25
10....	26	32	31	31	26	46	26	41	59	115	30	31
11....	26	32	30	31	26	47	25	42	50	60	30	31
12....	26	32	31	31	26	49	27	35	53	55	29	34
13....	26	31	31	32	25	49	28	33	40	75	28	37
14....	33	31	29	32	25	49	31	39	47	99	33	38
15....	26	31	30	31	25	50	32	43	113	75	40	32
16....	26	31	30	32	25	45	35	40	58	57	43	37
17....	27	31	32	32	25	41	34	40	84	53	45	38
18....	29	31	32	32	25	41	42	49	116	52	43	35
19....	29	31	32	32	25	38	46	42	93	46	35	34
20....	31	30	31	31	25	37	42	50	78	36	29	30
21....	31	33	31	30	25	38	48	50	65	34	29	27
22....	31	38	31	29	25	40	56	44	70	31	28	26
23....	28	27	31	29	25	58	44	48	66	31	32	25
24....	28	27	31	29	25	48	36	49	62	31	28	25
25....	28	28	31	28	25	43	34	42	57	30	26	30
26....	25	28	32	28	25	42	35	32	64	31	26	31
27....	28	28	31	28	25	46	37	31	59	31	27	32
28....	29	28	31	28	25	30	49	32	62	33	25	32
29....	27	28	31	28	....	28	38	50	55	32	26	33
30....	29	27	32	28	....	28	38	65	44	30	25	33
31....	29	....	31	28	....	27	....	60	....	32	23	....
Total	852	921	927	942	711	1231	1018	1346	1895	1386	965	920
Mean.	27.5	30.7	29.9	30.4	25.4	39.7	33.9	43.4	63.2	44.7	31.1	30.7
Max..	33	....	32	32	27	58	56	65	116	115	45	38
Min..	25	....	25	28	25	24	25	31	40	30	23	22
Acre-ft.	1690	1830	1840	1870	1410	2440	2020	2670	3760	2750	1910	1830

Unless otherwise noted, all discharges are in cubic feet per second.

RIO GRANDE RIVER DRAINAGE

RIO GRANDE RIVER AT THIRTY MILE BRIDGE

Location—In Sec. 13, T. 40 N., R. 4 W., about 30 miles south-west of Creed at Rio Grande reservoir.

Records Available—June 18, 1909, to September 30, 1923; May 16, 1925 to September 30, 1926.

Gage—Automatic gage.

Accuracy—Records considered fair.

Co-operation—Station maintained in co-operation with Farmers Union Reservoir Company.

RIO GRANDE RIVER AT WASSON BELOW CREEDE

Location—In Sec. 8, T. 41 N., R. 1 E., three miles southeast of Creed.

Records Available—April 24, 1907, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

RIO GRANDE RIVER NEAR DEL NORTE

Location—In Sec. 30, T. 40 N., R. 5 E., six miles west of Del Norte. From October 11, 1889, to November 30, 1906, a station was maintained four miles below the present station.

Records Available—October 11, 1889, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

RIO GRANDE RIVER AT MONTE VISTA

Location—In Sec. 33, T. 39 N., R. 7 E., N. M. P. M., where Gunbarrel highway crosses river.

Records Available—May 1 to September 30, 1926.

Gage—Staff gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the San Luis Valley Water Users.

RIO GRANDE RIVER AT ALAMOSA

Location—At concrete bridge in Alamosa.

Records Available—May 15, 1912, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

RIO GRANDE RIVER NEAR LOBATOS

Location—In Sec. 22, T. 33 N., R. 11 E., six miles north of the State line.

Records Available—June 28, 1899, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

GOOSE CREEK NEAR WAGON WHEEL GAP

Location—In Sec. 27, T. 40 N., R. 1 E., N. M. P. M., at overflow of broad-crested weir with Ogee crest.

Records Available—October 1, 1924, to July 3, 1926.

Gage—Staff gage located on main dam.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the United States Geological Survey and A. E. Humphreys.

ALAMOSA RIVER ABOVE TERRACE RESERVOIR

Location—Four miles above Terrace dam in Sec. 8, T. 36 N., R. 6 E.

Records Available—April 25, 1914, to October 31, 1919; October 1, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with Terrace Irrigation Company.

ALAMOSA RIVER BELOW TERRACE RESERVOIR

Location—One-fourth mile below Terrace dam in Sec. 23, T. 36 N., R. 6 E.

Records Available—April 18, 1909, to November 30, 1912; April 1, 1915, to October 31, 1915; February 1, 1917, to October 31, 1920; April 1, 1922, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with Terrace Irrigation Company.

LA JARA CREEK NEAR CAPULIN

Location—In Sec. 21, T. 34 N., R. 7 E., eleven miles above Capulin. Station prior to 1924 was located two miles south of this point.

Records Available—April, 1916, to November 30, 1917; April 1, 1919, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

LA JARA CREEK NEAR MOUTH

Location—In Sec. 17, T. 36 N., R. 11 E., eight miles southeast of Alamosa.

Records Available—October 1, 1924, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

TRINCHERA CREEK ABOVE TURNER'S RANCH NEAR FORT GARLAND

Location—In Sec. 2, T. 31 S., R. 71 W., just above Turner's ranch.

Records Available—April 1, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

TRINCHERA CREEK ABOVE MOUNTAIN HOME RESER- VOIR NEAR FORT GARLAND

Location—In Sec. 31, T. 30 S., R. 71 W., just above Mountain Home reservoir.

Records Available—May 1, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

SANGRE DE CRISTO CREEK NEAR FORT GARLAND

Location—In Sec. 23, T. 30 S., R. 72 W., one and one-half miles east of Fort Garland.

Records Available—March 15 to October 9, 1916; May 1, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

UTE CREEK NEAR FORT GARLAND

Location—In Sec. 2, T. 30 S., R. 72 W., about two and one-half miles northeast of Fort Garland.

Records Available—March 16 to October 8, 1916; May 1, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

CONEJOS RIVER NEAR MOGOTE

Location—In Sec. 34, T. 33 N., R. 7 E., five miles west of Mogote.

Records Available—September 1, 1899, to March 31, 1900, and April 17, 1903, to October 31, 1905, at a point one mile below present station. March 21, 1907, to October 5, 1911, three miles above present station. January 1, 1912, to September 30, 1926, at present station.

Gage—Automatic recording gage.

Accuracy—Records considered good.

CONEJOS RIVER AT MOUTH NEAR LA SAUSES

Location—In Sec. 2, T. 35 N., R. 11 E., about two miles above mouth.

Records Available—March 29, 1921, to September 30, 1926.

Gage—Two automatic recording gages.

Accuracy—Records considered good.

SAN ANTONIO RIVER AT ORTIZ

Location—In Sec. 24, T. 32 N., R. 8 E., N. M. P. M., just across the State line from Ortiz, Colorado.

Records Available—January 1, to October 31, 1915; May 1, 1919, to October 31, 1920; October 1, 1924 to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

SAN ANTONIO RIVER AT MOUTH NEAR MANASSA

Location—In Sec. 21, T. 34 N., R. 10 E., two and one-half miles east of Manassa on highway bridge.

Records Available—April 1, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

LOS PINOS CREEK NEAR ORTIZ

Location—In Sec. 27, T. 32 N., R. 8 E., N. M. P. M., two and one-half miles above Ortiz.

Records Available—January 1, 1914, to November 30, 1920; October 1, 1924, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

CULEBRA RIVER NEAR CHAMA

Location—In NW $\frac{1}{4}$ Sec. 2, T. 2 N., R. 71 W.

Records Available—April 21, 1924, to September 30, 1926.
Records at San Luis May 1, 1909, to September 2, 1919.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

LA GARITA CREEK NEAR LA GARITA

Location—In Sec. 10, T. 41 N., R. 6 E., five miles southwest of La Garita Post Office.

Records Available—April 1, 1919, to September 30, 1926.

Gage—Vertical staff.

Accuracy—Records considered good.

CARNERO CREEK NEAR LA GARITA

Location—In Sec. 26, T. 42 N., R. 6 E., three miles northwest of La Garita.

Records Available—April 1, 1919, to September 30, 1926.

Gage—Vertical staff.

Accuracy—Records considered good.

SAGUACHE CREEK NEAR SAGUACHE

Location—In Sec. 14, T. 45 N., R. 6 E., at Ward's ranch, ten miles west of Saguache.

Records Available—August 7, 1910, to September 23, 1912; June 1, 1914, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

KERBER CREEK NEAR VILLA GROVE

Location—In Sec. 7, T. 46 N., R. 8 E., ten miles west of Villa Grove.

Records Available—October 19, 1911, to June 30, 1912; June 1, 1923, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

SAN LUIS CREEK NEAR VILLA GROVE

Location—In Sec. 8, T. 48 N., R. 10 E., two miles southeast of Villa Grove and below mouth of Kerber Creek.

Records Available—April 1, 1922, to September 30, 1926. During 1910 to 1912 a station was maintained just above the mouth of Kerber Creek.

Gage—Staff gage.

Accuracy—Records considered good.

Discharge of Rio Grande River at Thirty Mile Bridge for year Ending Sept. 30, 1925.
Drainage Area, 163 Square Miles. Altitude, 9,380 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....									1000	726	533	371
2....									984	671	526	381
3....									1050	603	512	376
4....									1080	610	519	376
5....									1040	603	499	376
6....									767	610	371	317
7....									492	640	362	288
8....									455	640	353	261
9....									486	655	326	232
10....									553	602	288	207
11....									899	718	288	207
12....									889	679	288	218
13....									792	640	258	214
14....									702	632	239	211
15....									648	632	232	214
16....								30	567	640	228	214
17....								30	610	632	225	207
18....								30	836	632	232	194
19....								30	1070	625	236	200
20....								30	984	610	232	197
21....								30	946	625	232	194
22....								30	718	603	239	200
23....								30	610	610	236	200
24....								30	610	632	232	142
25....								111	679	648	236	102
26....								284	702	625	254	102
27....								610	718	610	265	102
28....								726	743	574	269	102
29....								1030	751	546	280	102
30....								1080	751	519	277	102
31....								993	.....	519	313	.....
Total								23132	19411	9580	6609
Mean.								771	626	309	220
Max..								1080	726	533	381
Min..								455	519	225	102
Acre-ft								45900	38500	19000	13100

Discharge of Rio Grande River at Thirty Mile Bridge for Year Ending Sept. 30, 1926.
Drainage Area, 163 Square Miles. Altitude, 9,380 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....									1210	344	871	367
2....									1330	403	854	353
3....									1330	486	845	353
4....									1440	473	836	358
5....									1570	473	810	284
6....									1680	506	792	218
7....									1710	499	784	211
8....									1580	640	776	207
9....									1560	574	735	194
10....									1560	596	648	174
11....									1550	540	560	124
12....								258	1510	533	425	100
13....								250	1320	512	408	95
14....								326	1230	480	408	93
15....								461	1190	436	317	91
16....								499	1140	414	292	85
17....								526	946	408	292	88
18....								533	889	473	288	88
19....								519	889	610	280	88
20....								506	818	687	280	39
21....								362	818	767	288	10
22....								353	801	818	284	10
23....								353	810	862	288	8
24....								239	880	871	292	8
25....								52	880	927	296	5
26....								232	993	955	330	5
27....								362	927	936	344	5
28....								442	408	918	353	5
29....								553	258	899	353	5
30....								776	301	880	358	5
31....								946	.....	889	367	.....
Total								33528	19809	15054	3680
Mean.								1120	639	486	123
Max..								1710	955	871	367
Min..								258	344	280	5
Acre-ft.								66600	39300	29900	7320

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rio Grande River at Wason for Year Ending Sept. 30, 1925.
Drainage Area, 700 Square Miles. Altitude, 8,591 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	249	.....	.....	.....	.....	86	265	1080	1830	1500	921	980
2....	257	.....	.....	.....	.....	86	224	1110	1710	1450	891	980
3....	257	.....	.....	.....	.....	86	286	1310	1690	1300	921	950
4....	257	.....	.....	.....	.....	86	324	1290	1960	1320	921	862
5....	254	.....	.....	.....	.....	86	284	960	2180	1410	911	799
6....	254	.....	.....	.....	.....	87	204	931	1870	1260	844	688
7....	257	.....	.....	.....	.....	87	196	1151	1370	1130	882	603
8....	268	.....	.....	.....	.....	87	196	1180	1270	1110	772	567
9....	260	.....	.....	.....	.....	87	240	1240	1340	1150	713	511
10....	257	.....	.....	.....	.....	87	300	1160	1430	1270	713	428
11....	260	.....	.....	.....	.....	89	385	1190	1920	1380	672	394
12....	242	.....	.....	.....	.....	89	400	990	1870	1280	633	350
13....	260	.....	.....	.....	.....	89	400	1000	1750	1130	596	337
14....	260	.....	.....	.....	.....	89	440	1100	1790	1070	518	324
15....	289	.....	103	80	.....	89	538	1020	1970	1060	464	309
16....	279	.....	.....	.....	.....	92	596	1120	2020	1080	464	292
17....	310	.....	.....	.....	.....	92	835	1230	1990	1100	422	296
18....	320	.....	.....	.....	.....	92	817	1550	1840	1100	422	345
19....	305	.....	.....	.....	.....	92	633	1680	2220	1050	497	891
20....	282	.....	.....	.....	.....	92	560	1530	2220	1160	490	713
21....	260	.....	.....	.....	84	93	610	1370	2190	1240	477	560
22....	260	.....	.....	.....	.....	100	672	1110	2280	1270	464	470
23....	254	.....	.....	.....	.....	120	603	1350	1710	1160	490	440
24....	220	64	.....	.....	.....	160	610	1320	1490	1080	705	400
25....	218	.....	.....	.....	.....	190	722	1360	1450	1040	626	374
26....	212	.....	.....	.....	.....	220	826	1850	1420	1040	603	363
27....	210	.....	.....	.....	.....	212	853	1910	1470	1040	626	350
28....	208	.....	.....	.....	.....	208	872	2060	1460	1100	618	292
29....	210	.....	.....	.....	.....	228	990	2280	1450	970	610	316
30....	212	.....	.....	.....	.....	260	1160	2280	1420	960	588	306
31....	210	.....	.....	.....	.....	260	.....	1970	.....	931	552	.....
Total	7851	.....	.....	.....	.....	3821	16041	42681	52588	36141	20026	15490
Mean.	253	115	98	82	90	123	535	1380	1750	1170	646	516
Max..	320	.....	.....	.....	.....	260	1160	2280	2280	1500	921	980
Min..	208	.....	.....	.....	.....	86	196	931	1270	931	422	292
Acres-ft.	15600	6840	6030	5040	5000	7560	31800	84800	104000	71900	39700	30700

Discharge of Rio Grande River at Wason for Year Ending Sept. 30, 1926.
Drainage Area, 700 Square Miles. Altitude, 8,591 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	305	220	.....	.....	.....	.....	153	676	2750	1440	1150	654
2....	295	232	.....	.....	.....	.....	153	754	2850	1420	1140	684
3....	290	224	.....	.....	.....	.....	156	706	2690	1400	1130	714
4....	290	160	.....	.....	.....	.....	163	647	2870	1440	1140	706
5....	361	122	.....	.....	148	107	200	862	2920	1480	1210	662
6....	853	192	.....	.....	.....	.....	257	862	3110	1600	1160	551
7....	578	212	.....	.....	.....	.....	295	669	3150	1620	1550	538
8....	500	.....	272	.....	.....	.....	224	605	2800	1510	1440	481
9....	444	.....	.....	191	.....	.....	186	639	2790	1330	1280	469
10....	382	.....	.....	.....	.....	.....	179	738	2810	1180	1120	457
11....	450	.....	.....	.....	.....	.....	215	754	2780	1350	1100	444
12....	399	.....	.....	.....	.....	.....	250	706	2690	1370	978	393
13....	393	.....	.....	.....	.....	.....	280	706	2380	1240	942	335
14....	393	.....	.....	.....	.....	.....	270	669	2320	1110	915	310
15....	356	.....	.....	.....	.....	.....	300	933	2320	1050	897	266
16....	335	.....	.....	.....	.....	.....	315	1160	2020	987	770	270
17....	340	.....	.....	.....	.....	.....	300	1380	1710	924	738	285
18....	295	.....	.....	.....	.....	.....	300	1420	1600	897	722	272
19....	300	.....	.....	.....	.....	.....	290	1460	1570	933	684	265
20....	275	.....	.....	.....	.....	.....	246	1730	1620	1030	654	246
21....	256	.....	.....	.....	.....	.....	220	1880	1530	1110	647	183
22....	266	.....	.....	.....	.....	.....	280	1990	1470	1090	639	172
23....	290	.....	.....	.....	.....	.....	356	2160	1420	1140	639	165
24....	290	.....	.....	.....	.....	.....	366	2170	1380	1140	625	150
25....	261	.....	.....	.....	.....	.....	416	1680	1360	1160	612	160
26....	251	.....	.....	.....	.....	.....	513	1790	1360	1210	612	203
27....	242	.....	.....	.....	.....	.....	612	1750	1350	1220	598	190
28....	232	.....	.....	.....	.....	.....	526	1590	1230	1240	639	160
29....	228	.....	.....	.....	.....	.....	618	1630	1140	1130	684	160
30....	212	.....	.....	.....	.....	.....	684	2030	1250	1140	691	160
31....	212	.....	.....	.....	.....	.....	.....	2450	.....	1160	691	.....
Total	10574	.....	.....	.....	.....	.....	9323	39196	63240	38051	27797	10705
Mean.	341	210	235	175	125	135	311	1260	2110	1230	897	357
Max..	853	.....	.....	.....	.....	.....	684	2450	3150	1620	1550	714
Min..	212	.....	.....	.....	.....	.....	.....	605	1140	897	598	.....
Acres-ft.	21600	12500	14100	10800	6940	8300	18500	77500	126000	75600	55200	21200

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rio Grande River near Del Norte for Year Ending Sept. 30, 1925.
Drainage Area, 1,400 Square Miles. Altitude, 7,868 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	264	256	....	....	....	....	559	1670	2850	2010	1160	903
2....	320	285	....	....	....	....	428	1690	2610	1910	1160	1300
3....	350	272	....	....	....	....	438	2010	2420	1800	1190	1140
4....	300	260	....	....	....	....	604	2220	2790	1760	1270	1060
5....	305	240	....	....	....	....	778	1990	3400	1910	1370	1020
6....	305	232	....	....	....	....	660	1720	3270	1760	1270	912
7....	300	224	....	....	....	....	492	2010	2580	1590	1140	814
8....	310	216	....	....	....	....	428	2050	2350	1510	1190	736
9....	315	220	....	....	....	....	428	2080	2360	1560	1180	682
10....	315	220	....	....	....	....	510	1900	2420	1730	1210	625
11....	315	216	....	....	....	....	639	2010	2840	1940	1130	572
12....	315	208	....	....	....	....	858	1870	2880	1850	1040	534
13....	325	204	....	....	....	....	1080	1770	2690	1630	990	540
14....	330	200	....	....	....	....	1080	1980	2740	1520	912	553
15....	335	200	220	....	....	....	1260	1910	2980	1440	752	528
16....	340	216	....	190	....	....	1320	1970	3110	1460	667	504
17....	340	220	....	....	....	....	1600	2200	3160	1480	646	480
18....	380	200	....	....	212	300	1840	2500	2920	1500	604	534
19....	404	149	....	....	....	....	1450	2820	3080	1390	646	1310
20....	365	149	....	....	....	....	1250	2900	3120	1420	690	1430
21....	340	149	....	....	....	....	1420	2710	3250	1630	736	1060
22....	330	146	....	....	....	....	1390	2300	3190	1760	653	894
23....	330	149	....	....	....	....	1070	2190	2660	1540	660	744
24....	300	162	....	....	....	....	1000	2450	2470	1460	921	690
25....	272	114	....	....	....	....	1070	2410	2180	1310	1000	660
26....	252	116	....	....	....	....	1260	2470	2140	1380	1010	632
27....	240	119	....	....	....	....	1330	2720	2110	1370	940	604
28....	240	122	....	....	....	....	1410	2820	2050	1470	912	572
29....	256	152	....	....	....	....	1640	3030	2010	1320	885	546
30....	272	152	....	....	....	....	1670	3270	1950	1270	831	528
31....	280	....	....	....	....	....	....	3270	....	1190	778	....
Total	9645	5768	....	....	....	....	30962	70910	80580	48870	29543	23107
Mean.	311	192	202	194	215	362	1030	2290	2690	1580	953	770
Max..	404	285	....	....	....	....	1840	3270	3400	2010	1370	1430
Min..	240	114	....	....	....	....	428	1670	1950	1190	604	480
Acre-ft	19100	11400	12400	11900	11900	22300	61300	141000	160000	97200	58600	45800

Discharge of Rio Grande River near Del Norte for Year Ending Sept. 30, 1926.
Drainage Area, 1,400 Square Miles. Altitude, 7,868 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	538	454	....	....	....	....	240	1300	4470	1900	1520	780
2....	522	490	....	....	....	....	240	1500	4970	1920	1490	742
3....	506	490	....	....	....	....	240	1420	4860	1960	1380	780
4....	498	432	....	....	....	....	243	1300	4860	2030	1380	808
5....	578	357	....	....	....	246	255	1690	5080	2000	1440	817
6....	1520	425	....	....	233	....	312	1810	5450	2100	1490	707
7....	1170	476	....	....	....	....	404	1450	4550	2190	1650	646
8....	971	418	....	....	....	....	461	1320	4700	2020	1990	612
9....	865	418	....	....	....	....	350	1220	4390	1860	1670	546
10....	846	447	....	....	....	....	292	1250	4390	1680	1510	530
11....	1000	468	....	....	....	....	280	1300	4370	1740	1430	530
12....	952	440	....	....	....	....	337	1200	4230	2070	1340	546
13....	855	318	....	....	....	....	391	1130	3850	1780	1270	476
14....	846	384	....	....	....	....	432	1070	3520	1630	1270	432
15....	742	377	....	....	....	....	454	1310	3300	1530	1250	398
16....	689	357	....	....	....	....	562	1700	3060	1430	1140	337
17....	689	391	....	....	....	....	612	2040	2790	1380	1080	337
18....	637	440	....	....	....	....	604	2250	2550	1300	1040	357
19....	637	337	....	....	....	....	570	2250	2410	1300	981	344
20....	604	305	....	....	....	....	562	2810	2440	1370	932	337
21....	587	318	....	....	....	....	498	3340	2330	1460	913	318
22....	587	324	389	....	....	....	538	3500	2180	1410	894	255
23....	604	337	....	237	....	....	654	3770	2070	1460	874	230
24....	604	370	....	....	....	....	865	3880	2000	1500	827	205
25....	554	398	....	....	....	....	865	3370	1920	1490	798	188
26....	546	432	....	....	....	....	1090	3450	1890	1520	761	217
27....	522	432	....	....	....	....	1280	3320	2000	1500	742	305
28....	498	434	....	....	....	....	1060	3080	1890	1530	742	292
29....	476	436	....	....	....	....	1240	2990	1570	1590	808	261
30....	440	440	....	....	....	....	1370	3450	1640	1550	808	261
31....	447	....	....	....	....	....	....	3960	....	1530	808	....
Total	21530	12145	....	....	....	....	17301	69430	99730	51730	36228	13594
Mean.	695	405	420	290	240	240	577	2240	3320	1670	1170	453
Max..	1520	490	....	....	....	....	1370	3960	5450	2190	1990	817
Min..	440	305	....	....	....	....	....	1070	1570	1300	742	188
A.-ft.	42700	24100	25800	17800	13300	14800	34300	138000	198000	103000	71900	27000

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rio Grande River at Monte Vista for Year Ending Sept. 30, 1926.
Drainage Area,Square Miles. Altitude, 7,650 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....								650	1950	516	114	12
2....								600	2280	549	86	12
3....								578	2060	516	74	12
4....								590	2170	485	62	12
5....								550	2170	516	51	12
6....								516	2390	618	40	20
7....								280	2610	654	35	30
8....								131	2440	618	30	40
9....								86	2170	424	25	60
10....								100	2060	280	20	75
11....								210	2170	365	15	86
12....								232	2120	772	15	62
13....								256	2000	549	12	51
14....								280	1550	336	12	24
15....								308	1450	256	12	12
16....								485	1170	188	12	12
17....								692	857	148	12	5
18....								814	772	131	12	5
19....								730	485	86	12	5
20....								990	618	62	12	5
21....								1800	549	86	12	40
22....								1650	365	86	12	40
23....								2000	308	86	12	32
24....								2220	424	131	12	24
25....								1750	280	114	12	12
26....								1300	308	114	12	12
27....								1120	424	100	12	32
28....								857	454	114	12	40
29....								582	256	148	12	24
30....								857	256	148	12	12
31....								1400	...	114	12	...
Total								24614	39116	9310	795	820
Mean								794	1300	300	25.6	27.3
Max.								2220	2610	654	114	86
Min.								86	256	52	12	5
Acre-ft.								48800	77400	18400	1570	1620

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rio Grande River at Alamosa for Year Ending Sept. 30, 1925.
Drainage Area,Square Miles. Altitude, 7,536 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	18	50	325	....	....	205	506	39	145	110	20	268
2....	18	50	325	....	....	215	484	39	115	110	20	438
3....	16	50	300	....	....	295	358	39	110	92	20	480
4....	18	50	178	....	....	225	378	60	90	92	20	438
5....	20	50	233	....	....	390	441	46	130	83	20	382
6....	22	58	196	....	....	440	484	33	150	100	20	330
7....	26	76	162	....	....	460	420	33	102	110	20	330
8....	26	86	132	....	....	430	261	27	93	92	30	298
9....	26	86	196	....	....	400	186	27	102	76	41	268
10....	30	107	178	....	....	400	135	27	102	92	30	254
11....	30	132	233	....	....	399	113	27	124	110	83	140
12....	30	162	276	....	....	462	113	100	186	140	162	120
13....	30	196	276	....	....	420	135	125	159	162	212	100
14....	30	196	276	....	....	399	124	90	159	100	199	76
15....	30	214	276	....	....	420	113	140	159	76	186	54
16....	30	214	252	....	....	441	93	120	186	61	151	54
17....	30	214	214	....	....	462	84	160	172	54	100	54
18....	36	233	233	....	....	399	75	200	215	48	61	54
19....	36	233	162	....	....	358	93	250	113	41	41	35
20....	36	252	178	154	204	358	93	190	102	30	30	100
21....	36	252	178	....	....	338	75	70	113	20	30	553
22....	36	276	196	....	....	358	67	85	180	20	30	459
23....	36	276	180	....	....	399	53	130	210	20	30	382
24....	42	252	165	....	....	441	46	115	170	20	20	314
25....	42	233	165	....	....	462	46	140	130	20	20	314
26....	42	252	170	....	....	484	46	130	110	20	76	254
27....	42	233	180	....	....	506	39	135	120	20	151	226
28....	50	300	180	....	....	554	39	120	130	20	240	186
29....	50	325	180	....	....	484	39	140	140	20	298	174
30....	50	325	180	....	....	506	39	110	105	20	298	120
31....	50	...	180	....	....	554	...	120	...	20	268	...
Total	1014	5433	6555	...	...	12744	5181	3067	4122	1999	2927	7255
Mean	32.7	181	211	150	202	411	173	98.9	137	64.5	94.4	242
Max.	50	325	325	...	...	554	506	250	215	162	298	553
Min	16	50	132	...	...	...	39	27	90	20	20	35
Acre-ft.	2010	10800	13000	9220	11200	25300	10200	6080	8150	3970	5800	14400

Discharge of Rio Grande River at Alamosa for Year Ending Sept. 30, 1926.
Drainage Area, . . . Square Miles. Altitude, 7,536 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	110	298	400	....	....	330	309	204	570	51	36	7
2....	110	314	382	....	....	376	330	150	960	51	31	8
3....	100	298	438	....	....	376	353	128	1060	63	31	9
4....	92	298	459	....	....	376	353	140	1020	57	27	10
5....	68	298	298	....	....	376	353	96	1120	51	23	10
6....	54	314	330	....	....	353	376	59	1120	57	22	11
7....	298	330	....	....	....	288	376	160	1230	92	21	12
8....	553	419	....	....	....	268	353	121	1300	170	20	13
9....	438	419	....	....	....	268	353	56	1200	183	19	13
10....	364	419	....	....	....	268	313	49	1120	121	18	14
11....	347	419	....	....	....	288	253	42	1160	92	17	15
12....	400	419	....	....	....	288	257	41	1230	84	16	15
13....	480	419	....	....	....	309	261	36	1380	213	15	15
14....	419	419	....	....	....	309	261	39	1260	183	14	15
15....	400	419	....	....	....	330	245	38	1090	144	13	15
16....	364	419	....	....	....	353	249	34	960	101	12	15
17....	330	419	....	....	....	353	272	37	728	92	11	15
18....	330	419	....	....	....	353	253	79	570	92	10	15
19....	347	382	....	....	....	353	238	173	400	76	9	15
20....	330	382	....	....	....	353	224	231	231	76	9	15
21....	314	347	....	....	....	376	210	353	198	70	9	15
22....	298	314	....	....	....	376	198	701	183	63	9	15
23....	330	330	....	....	....	400	157	870	121	57	9	15
24....	330	347	....	....	....	376	123	1120	101	57	9	15
25....	347	382	....	....	....	400	114	1300	84	51	9	15
26....	330	400	....	....	....	400	140	1160	70	51	8	15
27....	314	400	....	....	....	376	195	701	57	46	6	15
28....	314	382	....	....	....	353	288	448	57	40	6	15
29....	314	400	....	....	....	330	231	249	57	40	6	15
30....	314	400	325	....	....	309	186	144	57	40	6	15
31....	314	....	....	235	....	309	....	198	....	36	6	....
Total	9453	11225	....	....	....	10573	7824	9157	20694	2600	457	407
Mean.	305	374	340	270	280	341	261	295	690	83.9	14.7	13.6
Max..	553	419	....	....	....	400	376	1300	1380	213	36	15
Min..	54	298	....	....	....	268	114	34	57	36	....	....
Acre-ft	18800	22300	20900	16600	15600	21000	15500	18100	41100	5160	904	809

Discharge of Rio Grande River near Lobatos for Year Ending Sept. 30, 1925.
Drainage Area, 7,700 Square Miles. Altitude, 7,440 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	86	154	357	242	339	465	753	480	472	242	81	450
2....	86	166	363	242	370	450	726	509	450	192	84	430
3....	92	178	450	242	402	450	690	457	409	205	84	409
4....	92	192	326	242	430	457	580	517	345	166	84	548
5....	92	205	339	247	450	524	588	789	304	170	97	630
6....	86	214	382	252	480	572	673	922	261	166	92	604
7....	89	205	370	247	494	673	690	808	320	183	134	564
8....	97	228	363	247	502	744	630	735	465	166	187	509
9....	94	223	351	247	509	799	502	735	309	131	214	450
10....	94	228	298	247	517	799	423	744	232	115	320	389
11....	112	247	345	256	509	780	357	735	174	121	430	339
12....	118	256	370	256	502	762	315	744	170	128	564	304
13....	97	315	376	252	480	744	315	681	192	150	613	277
14....	102	309	376	252	472	726	396	556	237	178	630	261
15....	112	320	382	256	465	708	472	517	261	166	596	247
16....	115	332	409	256	465	708	572	480	242	166	548	209
17....	124	332	416	256	465	717	638	502	277	142	472	200
18....	150	345	382	256	465	690	753	480	256	124	351	192
19....	158	357	370	256	465	647	799	524	298	118	402	187
20....	142	363	376	261	472	596	735	673	256	115	298	174
21....	138	382	389	261	472	564	690	884	228	134	261	192
22....	134	396	402	261	472	540	735	912	228	166	247	588
23....	134	396	396	261	472	548	647	699	256	105	232	647
24....	158	396	389	266	494	588	494	572	457	92	247	564
25....	150	298	200	266	494	630	389	588	423	89	247	509
26....	150	282	218	271	487	647	326	556	351	89	223	487
27....	158	282	218	271	480	664	282	532	298	102	214	430
28....	170	309	228	277	472	708	282	494	252	99	232	382
29....	174	389	237	288	....	717	298	465	252	97	298	345
30....	174	363	237	309	....	681	416	430	252	86	351	304
31....	150	....	237	320	....	681	....	430	....	76	436	....
Total	3828	8662	10552	8063	13096	19979	16166	19150	8927	4279	9269	11821
Mean.	123	289	340	260	468	644	539	618	298	138	299	394
Max..	174	396	450	320	517	799	799	922	472	242	630	647
Min..	86	154	200	242	339	450	282	430	170	76	81	174
Acre-ft.	7560	17200	20900	16000	26000	39600	32100	38000	17700	8480	18400	23400

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rio Grande River at Lobatos for Year Ending Sept. 30, 1926.
Drainage Area, 7,700 Square Miles. Altitude, 7,440 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	266	544	698	623	402	606	598	1490	1690	217	59	37
2....	246	544	598	529	429	575	590	1640	2250	212	57	32
3....	246	560	606	500	485	575	631	1750	2800	203	54	30
4....	236	529	456	500	544	639	631	1890	2830	241	51	37
5....	231	537	346	492	485	707	623	1730	2560	316	49	49
6....	212	560	464	492	485	698	639	1960	2670	294	46	54
7....	190	582	522	500	485	681	598	2280	2910	241	41	54
8....	376	590	615	514	500	606	606	2060	3240	288	59	51
9....	725	615	716	500	529	606	575	1660	3160	358	70	51
10....	664	582	639	471	544	598	575	1340	2910	376	64	54
11....	598	598	560	500	560	582	560	1170	2670	346	62	51
12....	582	514	552	442	606	606	492	1050	2660	299	79	57
13....	681	552	647	429	590	615	464	960	2800	316	73	67
14....	769	552	639	442	575	575	442	841	2750	422	67	67
15....	751	514	639	389	485	582	456	787	2550	507	67	67
16....	734	582	376	442	514	598	471	895	2260	435	73	67
17....	639	567	560	364	606	631	471	1090	1950	376	73	67
18....	590	598	590	389	560	623	485	1260	1610	322	76	73
19....	590	698	623	389	552	656	544	1480	1360	271	73	70
20....	606	664	656	429	544	664	575	1840	1090	236	70	76
21....	631	575	656	402	544	681	606	2280	931	226	67	70
22....	656	529	529	402	623	681	639	2740	823	185	64	67
23....	639	537	537	346	590	656	590	3230	681	127	62	70
24....	606	590	544	346	582	647	690	3060	567	102	51	67
25....	623	615	544	346	582	631	931	3230	492	86	57	67
26....	639	707	560	364	567	656	1160	3090	435	76	54	70
27....	598	681	560	352	560	769	1370	2820	383	76	51	82
28....	582	664	560	316	606	623	1800	2380	346	70	49	79
29....	582	664	560	316	....	582	1680	1740	322	67	46	86
30....	567	656	575	471	....	631	1380	1530	282	67	41	89
31....	567	....	590	402	....	575	....	1530	....	62	37	....
Total	16622	17700	17717	13399	15134	19555	21872	56803	53982	7420	1842	1858
Mean.	536	590	572	432	540	631	729	1830	1800	239	59.4	61.9
Max.	769	707	716	623	623	769	1800	3230	3240	507	79	89
Min.	190	514	346	316	402	575	442	787	282	62	37	30
Acre-ft.	33000	35100	35200	26500	30000	38800	43400	113000	107000	14700	3650	3680

Discharge of Goose Creek near Wagon Wheel Gap for Year Ending Sept. 30, 1925.
Drainage Area 49 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	10	10	8	9	9	9	15	75	157	113	59	59
2....	10	10	8	9	9	9	12	75	135	112	59	61
3....	11	10	8	9	9	9	14	91	99	130	59	59
4....	10	12	8	9	9	9	15	94	111	140	61	59
5....	10	12	8	9	9	9	15	96	129	155	59	59
6....	10	10	8	9	9	9	15	95	120	150	56	59
7....	11	10	8	9	9	9	15	93	111	140	54	59
8....	12	9	8	9	9	9	14	90	117	135	59	59
9....	11	8	8	9	9	9	14	88	123	111	61	54
10....	11	8	8	9	9	9	17	87	138	111	61	54
11....	12	8	8	9	9	9	18	86	148	108	59	54
12....	14	10	8	9	9	9	25	85	157	99	59	54
13....	12	11	8	9	9	9	25	88	120	97	54	54
14....	12	11	8	9	9	9	28	90	141	88	56	54
15....	15	10	8	9	9	10	29	88	167	83	54	49
16....	12	10	8	9	9	10	33	97	252	80	63	54
17....	12	10	9	9	9	9	36	88	252	77	52	54
18....	15	10	10	9	9	9	47	94	248	77	52	54
19....	12	10	11	9	9	9	30	120	245	72	59	108
20....	10	11	10	9	9	9	30	135	248	72	54	85
21....	10	11	11	9	9	10	29	135	245	72	54	77
22....	10	11	10	9	9	10	25	105	239	75	52	75
23....	10	9	9	9	9	10	22	108	229	72	59	72
24....	10	9	9	9	9	10	21	108	193	70	70	68
25....	10	9	9	9	9	10	21	129	135	66	72	63
26....	10	9	9	9	9	12	56	141	129	66	68	63
27....	10	9	9	9	9	12	63	141	123	66	66	63
28....	10	9	9	9	9	12	72	141	111	68	66	61
29....	10	8	9	9	....	12	77	141	114	66	63	59
30....	11	8	9	9	....	12	77	151	114	61	63	56
31....	11	....	9	9	....	15	....	148	....	61	61	....
Total	344	292	270	279	252	307	910	3303	4850	2893	1844	1859
Mean.	11.1	9.7	8.7	9.0	9.0	9.9	30.3	107	162	93.3	59.5	62.0
Max.	15	12	11	9	9	15	77	151	252	155	72	108
Min.	10	8	8	9	9	9	12	75	99	61	52	49
Acre-ft.	682	577	535	553	500	609	1800	6580	9640	5740	3660	3690

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Goose Creek near Wagon Wheel Gap for Year Ending Sept. 30, 1926.
Drainage Area 49 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	56	52	49	32	28	25	26	102	293	120	....	....
2....	56	52	49	32	28	25	26	105	296	114	....	....
3....	56	54	49	32	28	25	26	102	286	117	....	....
4....	59	56	49	32	26	25	26	94	312	....	....	....
5....	63	59	49	32	26	25	26	111	320	....	....	....
6....	75	59	49	32	26	25	26	111	360	....	....	....
7....	77	59	49	32	26	25	26	97	340	....	....	....
8....	72	61	47	32	26	25	26	102	300	....	....	....
9....	70	59	52	32	26	25	26	88	332	....	....	....
10....	72	59	49	32	26	25	26	80	344	....	....	....
11....	77	54	49	30	26	25	30	80	336	....	....	....
12....	70	52	49	30	26	25	30	72	320	....	....	....
13....	70	52	47	30	26	25	28	99	282	....	....	....
14....	70	52	45	30	26	25	28	68	276	....	....	....
15....	72	52	43	30	26	25	28	77	252	....	....	....
16....	72	50	41	29	26	25	30	80	235	....	....	....
17....	68	50	40	29	26	25	33	91	219	....	....	....
18....	66	50	40	29	26	25	41	108	193	....	....	....
19....	63	50	40	29	25	25	47	145	186	....	....	....
20....	61	49	38	28	25	25	43	242	167	....	....	....
21....	59	47	36	28	25	26	43	252	177	....	....	....
22....	59	50	35	28	25	26	49	293	164	....	....	....
23....	63	50	33	28	25	26	52	348	164	....	....	....
24....	66	49	32	28	25	26	75	286	151	....	....	....
25....	63	49	32	28	25	26	77	279	138	....	....	....
26....	63	49	32	28	25	26	91	276	138	....	....	....
27....	59	49	32	28	25	26	85	245	138	46	....	....
28....	59	49	32	28	25	26	83	219	132	....	....	....
29....	59	49	32	28	....	26	97	219	120	....	....	....
30....	59	49	32	28	....	26	102	272	114	....	....	....
31....	54	....	32	28	....	26	....	265	....	....	....	....
Total	2008	1571	1283	922	724	786	1352	5008	7085	....	....	....
Mean.	64.8	52.4	41.4	29.7	25.9	25.4	45.1	162	236	....	....	....
Max..	77	61	52	32	28	26	102	348	360	....	....	....
Min...	54	47	32	28	25	25	26	72	114	....	....	....
Acre-ft.	3980	3120	2550	1830	1440	1560	2680	9960	14000	....	....	....

Discharge of Alamosa River Above Terrace Reservoir for Year Ending Sept. 30, 1925.
Drainage Area, 102 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	59	340	354	200	84	48
2....	59	400	303	181	84	48
3....	59	450	264	162	84	59
4....	70	446	264	181	98	48
5....	84	442	426	221	113	48
6....	70	436	402	162	84	48
7....	59	430	330	128	98	48
8....	59	426	308	128	113	48
9....	59	451	330	181	128	48
10....	84	426	378	181	162	39
11....	113	402	378	242	145	48
12....	128	330	308	200	128	48
13....	145	378	330	162	113	48
14....	162	426	378	162	98	48
15....	221	402	402	128	84	48
16....	242	451	426	128	84	39
17....	308	476	402	145	70	39
18....	308	552	402	162	70	48
19....	242	604	378	128	70	181
20....	264	578	354	181	70	98
21....	286	552	402	200	84	98
22....	264	476	378	181	70	70
23....	200	501	330	145	70	70
24....	181	501	308	128	84	70
25....	145	476	286	113	84	70
26....	145	476	286	113	70	59
27....	181	451	264	128	70	48
28....	48	242	426	242	113	59	48
29....	48	286	426	200	98	59	48
30....	59	286	451	221	84	48	48
31....	48	....	....	....	84	59	....
Total	5011	14033	10039	4750	2737	1756
Mean.	167	453	335	153	88.3	58.5
Max..	308	604	426	242	162	181
Min...	59	330	200	84	48	39
Acre-ft.	9940	27900	19900	9410	5430	3480

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Alamosa River Above Terrace Reservoir for Year Ending Sept. 30, 1926.
Drainage Area, 102 Square Miles. Altitude, . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	45	38	....	....	....	....	20	218	760	218	68	30
2....	38	38	....	....	....	....	20	242	760	196	68	30
3....	38	38	....	....	....	....	20	266	700	174	68	24
4....	38	....	....	....	....	....	20	266	612	196	68	30
5....	56	....	....	....	....	....	20	340	640	218	114	30
6....	132	....	....	....	....	....	20	366	670	218	114	24
7....	82	....	....	....	....	....	24	266	700	196	132	24
8....	56	....	....	....	....	....	24	242	700	218	153	24
9....	68	....	....	....	....	....	24	196	640	153	96	24
10....	56	....	....	....	....	....	24	174	612	132	82	18
11....	68	....	....	....	....	....	24	174	612	218	82	18
12....	68	....	....	....	....	....	30	153	584	218	82	24
13....	68	....	....	....	....	....	30	132	584	196	68	24
14....	56	....	....	....	....	....	38	132	556	174	82	18
15....	56	....	....	....	....	....	45	174	474	174	82	18
16....	56	....	....	....	....	....	68	196	420	153	82	18
17....	45	....	....	....	....	....	82	242	393	132	68	18
18....	45	....	....	....	....	....	82	314	393	114	68	18
19....	45	....	....	....	....	....	82	420	340	114	57	18
20....	38	....	....	....	....	....	82	556	314	114	57	18
21....	38	....	....	....	....	....	68	584	290	114	45	18
22....	38	....	....	....	....	....	68	640	290	96	45	24
23....	30	....	....	....	....	....	68	700	266	82	45	30
24....	30	....	....	....	....	....	82	640	218	96	45	30
25....	30	....	....	....	....	....	132	612	218	82	45	30
26....	38	....	....	....	....	....	174	640	218	82	45	30
27....	38	....	....	....	....	....	218	556	196	82	38	30
28....	38	....	....	....	....	....	218	474	196	82	38	30
29....	38	....	....	....	....	....	174	501	196	82	30	30
30....	38	....	....	....	....	....	196	584	196	68	38	30
31....	45	....	....	....	....	....	....	640	....	68	30	....
Total	1555	....	....	....	....	....	2177	11640	13748	4460	2135	732
Mean.	50.2	....	....	....	....	....	72.6	375	458	144	68.9	24.4
Max..	132	....	....	....	....	....	218	700	760	218	153	30
Min...	30	....	....	....	....	....	20	132	196	68	30	18
Acre-ft.	3050	....	....	....	....	....	4320	23100	27300	8850	4240	1450

Discharge of Alamosa River Below Terrace Reservoir for Year Ending Sept. 30, 1925.
Drainage Area 120 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	16	18	....	....	....	....	22	300	392	196	122	76
2....	16	18	....	....	....	....	22	315	315	196	93	68
3....	16	18	....	....	....	....	22	259	286	184	102	60
4....	16	18	....	....	....	....	22	345	246	162	122	40
5....	16	18	....	....	....	....	22	426	300	152	132	40
6....	16	18	....	....	....	....	44	443	443	162	152	34
7....	16	18	....	....	....	....	46	409	345	172	122	40
8....	16	18	....	....	....	....	46	392	315	142	142	53
9....	16	18	....	....	....	....	46	392	315	162	112	53
10....	16	18	....	....	....	....	60	360	330	184	84	53
11....	16	20	....	....	....	....	93	392	360	208	76	60
12....	16	20	....	....	....	....	112	300	345	233	93	53
13....	16	20	....	....	....	....	162	246	272	233	93	46
14....	16	20	....	....	....	....	196	259	233	184	93	40
15....	16	20	....	....	....	....	220	272	345	152	93	46
16....	16	20	....	....	....	....	233	272	376	152	84	46
17....	16	20	....	....	....	....	272	330	392	132	76	46
18....	16	20	....	....	....	....	259	360	392	172	76	46
19....	16	20	....	....	....	....	233	426	376	162	93	60
20....	16	20	....	....	....	....	286	415	345	142	84	76
21....	18	20	....	....	....	....	300	496	300	172	93	76
22....	18	20	....	....	....	....	286	460	345	208	84	76
23....	18	20	....	....	....	....	220	496	330	208	68	76
24....	18	20	....	....	....	....	208	426	300	208	84	76
25....	18	20	....	....	....	....	132	534	246	172	68	76
26....	18	20	....	....	....	....	112	478	246	122	68	76
27....	18	20	....	....	....	....	233	460	220	142	68	76
28....	18	20	....	....	....	....	233	478	184	152	68	68
29....	18	20	....	....	....	....	286	460	184	102	68	60
30....	18	20	....	....	....	....	330	409	196	93	68	46
31....	18	....	....	....	....	....	....	376	....	112	76	....
Total	518	580	....	....	....	....	4758	11986	9274	5173	2857	1742
Mean.	16.7	19.3	20	21	22	22	159	387	369	167	92.2	58.1
Max..	18	20	....	....	....	....	330	534	443	233	152	76
Min...	16	18	....	....	....	....	22	246	184	93	68	34
Acre-ft.	1030	1150	1230	1290	1220	1350	9460	23800	18400	10300	5670	3460

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Alamosa River Below Terrace Reservoir for Year Ending Sept. 30, 1926.
Drainage Area, 120 Squire Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	48	48	....	....	....	....	14	170	675	259	68	118
2....	48	48	....	....	....	....	14	159	654	259	166	99
3....	48	48	....	....	....	....	14	128	592	259	165	60
4....	48	48	....	....	....	....	14	108	572	182	165	37
5....	48	48	....	....	....	....	14	99	592	128	114	27
6....	48	32	....	....	....	....	14	108	633	233	194	48
7....	48	32	....	....	....	....	14	128	654	233	210	48
8....	48	32	....	....	....	....	14	220	553	246	153	42
9....	54	32	....	....	....	....	14	220	675	220	180	48
10....	54	32	....	....	....	....	27	170	612	148	125	48
11....	48	32	....	....	....	....	22	170	572	82	152	48
12....	48	32	....	....	....	....	18	138	572	170	150	48
13....	48	32	....	....	....	....	22	138	496	170	124	32
14....	48	32	....	....	....	....	22	128	515	246	140	32
15....	48	32	....	....	....	....	27	128	478	246	82	27
16....	48	32	....	....	....	....	60	128	409	194	126	27
17....	48	32	....	....	....	....	74	182	376	194	118	22
18....	48	32	....	....	....	....	74	272	360	128	120	22
19....	48	32	....	....	....	....	74	345	345	182	107	22
20....	48	32	....	....	....	....	82	376	220	194	117	22
21....	48	32	....	....	....	....	82	426	315	170	100	22
22....	48	32	....	....	....	....	90	443	207	159	99	22
23....	48	32	....	....	....	....	90	392	246	170	108	27
24....	42	32	....	....	....	....	90	496	233	170	99	27
25....	42	32	....	....	....	....	90	534	246	182	67	27
26....	42	32	....	....	....	....	90	534	259	182	60	27
27....	48	32	....	....	....	....	90	515	220	170	182	10
28....	48	32	....	....	....	....	90	553	207	159	170	10
29....	48	32	....	....	....	....	108	515	259	148	108	27
30....	48	32	....	....	....	....	170	426	259	148	159	10
31....	48	....	....	....	....	....	....	612	....	60	74	....
Total	1482	1040	....	....	....	....	1618	8961	13006	5691	4002	1086
Mean.	47.8	34.7	....	....	....	....	53.9	289	434	184	129	36.2
Max...	54	....	....	....	....	....	170	612	675	259	....	118
Min....	42	....	....	....	....	....	....	99	207	60	....	10
Acre-ft.	2940	2060	....	....	....	....	3210	17800	25800	11300	7930	2150

Discharge of La Jara Creek near Capulin for Year Ending Sept. 30, 1925.
Drainage Area 73 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	20	14	....	....	....	....	44	77	29	12	33	5
2....	20	14	....	....	....	....	44	77	29	12	33	7
3....	20	14	....	....	....	....	44	77	33	12	33	7
4....	20	14	....	....	....	....	66	77	29	12	44	9
5....	17	14	....	....	....	....	71	77	29	12	38	9
6....	17	14	....	....	....	....	71	77	29	12	38	9
7....	14	14	....	....	....	....	60	77	24	12	33	9
8....	17	14	....	....	....	....	44	77	24	12	33	9
9....	14	14	....	....	....	....	50	77	20	12	60	7
10....	14	12	....	....	....	....	66	77	20	9	60	7
11....	14	12	....	....	....	....	60	77	20	9	55	7
12....	14	12	....	....	....	....	66	82	16	9	50	7
13....	14	12	....	....	....	....	71	71	16	9	44	7
14....	14	12	....	....	....	....	71	66	16	9	44	7
15....	14	11	....	....	....	....	71	66	16	9	44	7
16....	14	11	....	....	....	....	66	66	9	9	44	7
17....	14	11	....	....	....	....	77	66	12	9	44	7
18....	14	11	....	....	....	....	77	71	12	16	44	7
19....	14	11	....	....	....	....	60	66	12	16	38	7
20....	14	11	....	....	....	....	60	55	12	16	38	7
21....	17	11	....	....	....	....	60	29	12	16	38	7
22....	14	11	....	....	....	....	60	24	9	16	29	7
23....	14	11	....	....	....	....	77	16	9	16	16	7
24....	14	11	....	....	....	17	77	16	9	16	9	7
25....	14	11	....	....	....	....	77	16	9	16	9	5
26....	14	11	....	....	....	....	71	16	12	16	9	5
27....	14	10	....	....	....	....	71	16	12	22	9	5
28....	14	10	....	....	....	....	77	24	9	22	7	5
29....	14	10	....	....	....	....	77	24	9	30	7	5
30....	14	10	....	....	....	....	77	24	12	30	7	7
31....	14	....	....	....	....	....	....	29	....	30	5	....
Total	470	358	....	....	....	....	1963	1690	509	458	995	208
Mean.	15.2	11.9	....	....	....	16	65.4	54.5	17.0	14.8	32.0	6.93
Max...	20	14	....	....	....	....	77	82	33	30	60	9
Min....	14	10	....	....	....	....	44	16	9	9	5	5
Acre-ft.	935	708	....	....	....	984	3890	3350	1010	910	1970	412

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of La Jara Creek near Capulin for Year Ending Sept. 30, 1926.
Drainage Area 73 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	9	5						54	54	66	12	9
2....	9							49	49	66	12	6
3....	9							54	49	66	15	6
4....	9							44	49	74	15	6
5....	7							49	49	74	9	6
6....	9							44	39	66	9	9
7....	9							49	39	66	12	6
8....	7							60	74	66	15	9
9....	7							120	82	60	15	6
10....	7							131	91	60	9	6
11....	7							120	100	60	9	6
12....	5							110	100	66	9	6
13....	5							110	100	66	9	6
14....	5							91	100	30	6	6
15....	5							66	100	26	9	6
16....	5							74	91	18	9	6
17....	7							82	91	18	9	9
18....	5							91	91	15	6	9
19....	5							91	74	15	6	9
20....	5							100	26	15	9	9
21....	5							91	26	12	9	6
22....	5							91	66	12	9	6
23....	5							82	74	12	12	6
24....	5							66	74	12	12	9
25....	5							66	74	12	12	9
26....	5							60	74	12	12	9
27....	5							49	66	12	12	9
28....	5							74	66	12	9	9
29....	5							82	66	12	9	9
30....	5							66	66	12	9	9
31....	5							66		12	9	
Total	191							2382	2100	1125	318	222
Mean.	6.16	4						76.8	70.0	36.3	10.3	7.40
Max..	9							131	100	74	15	9
Min..	5							44	26	12	6	6
Acre-ft.	379	238						4720	4170	2230	633	440

Discharge of La Jara Creek at Mouth for Year Ending Sept. 30, 1925.
Drainage Area..... Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	29						60	24	16	16	22	56
2....	29						61	20	16	16	22	50
3....	29						60	18	12	16	16	68
4....	27						58	16	12	16	16	80
5....	16		46				57	18	10	16	16	75
6....	14				31	51	55	29	10	16	18	70
7....	12	32					54	29	10	22	18	62
8....	16	32		21			52	32	10	22	22	55
9....	14	34					51	34	10	22	22	48
10....	12	26					51	27	10	20	32	42
11....	12	26					51	39	10	26	54	36
12....	10	34					50	39	10	36	79	32
13....		36					50	32	10	46	88	34
14....		36					49	24	10	39	100	34
15....		32					49	22	10	37	100	32
16....		29					48	20	12	37	103	26
17....		26					48	22	14	30	109	26
18....		26					47	24	14	30	109	26
19....		24					47	24	14	30	109	26
20....		24					47	22	14	32	88	26
21....		26					47	20	14	41	59	36
22....							49	22	14	26	54	44
23....							47	24	14	23	54	36
24....							44	20	14	22	62	39
25....							41	20	14	22	59	44
26....							37	16	14	25	59	39
27....							32	18	14	25	71	34
28....							29	20	14	24	76	32
29....							34	20	14	21	67	26
30....							29	20	14	20	64	24
31....								20		16	62	
Total							1434	735	374	790	1791	1258
Mean.	21	32	37	26	42	55	47.8	23.7	12.5	25.5	57.8	41.9
Max..												
Min..												
Acre-ft.	1290	1960	2280	1600	2330	3380	2840	1460	744	1570	3550	2490

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of La Jara Creek at Mouth for Year Ending Sept. 30, 1926.
Drainage Area..... Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	27	27	43	....	21	....	62	112	35	45	12	12
2....	27	27	....	....	....	....	65	106	35	45	12	12
3....	27	27	....	....	....	....	71	116	37	45	12	12
4....	27	27	....	....	....	....	74	123	37	45	12	12
5....	27	27	....	....	....	....	77	120	35	45	12	10
6....	25	29	....	....	....	76	77	95	35	45	12	10
7....	25	30	....	....	....	....	77	62	43	45	14	10
8....	25	32	....	....	....	....	68	62	50	45	15	10
9....	25	34	....	....	....	....	71	65	45	45	15	10
10....	27	34	....	....	....	....	71	65	65	45	15	16
11....	33	36	....	....	....	....	71	70	71	45	15	15
12....	35	38	....	....	....	....	68	70	80	43	15	14
13....	29	40	....	....	....	....	65	74	89	41	15	16
14....	29	44	....	....	....	....	65	74	112	39	15	18
15....	29	50	....	....	....	....	65	68	134	35	15	20
16....	31	55	....	....	....	....	62	55	89	33	15	21
17....	31	60	....	....	....	....	62	62	43	30	14	21
18....	31	64	38	....	....	....	62	65	40	28	12	20
19....	31	68	....	....	....	....	74	60	40	25	12	20
20....	31	65	....	....	....	....	71	65	40	20	12	21
21....	31	62	....	....	....	....	74	77	40	18	12	20
22....	31	62	....	....	....	....	74	68	40	15	12	21
23....	31	71	....	....	....	....	55	60	40	15	12	23
24....	29	74	....	....	....	....	50	55	40	12	10	25
25....	29	68	....	....	....	....	62	55	40	14	10	25
26....	27	71	....	....	....	....	83	55	40	15	10	27
27....	25	68	....	....	....	....	109	45	40	14	10	29
28....	25	65	....	....	....	....	146	43	45	12	10	27
29....	25	52	....	....	....	....	154	43	45	12	10	27
30....	25	45	....	....	....	....	126	41	45	12	10	25
31....	27	....	....	....	....	63	....	37	....	12	10	....
Total	877	1452	....	....	....	....	2311	2168	1570	940	387	549
Mean.	28.3	48.4	41	30	35	70	77.0	69.9	52.3	30.3	12.5	18.3
Max..	35	74	....	....	....	....	154	123	134	45	15	29
Min...	25	27	....	....	....	....	50	37	35	12	10	10
Acre-ft.	1740	2880	2520	1840	1940	4300	4580	4300	3110	1860	769	1090

Discharge of Trinchera Creek Above Turner's Ranch for Year Ending Sept. 30, 1925.
Drainage Area 45 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	12	11	....	....	....	....	25	27	37	18	14	14
2....	12	11	....	....	....	....	25	27	37	18	14	14
3....	12	11	....	....	....	....	25	27	33	18	12	12
4....	11	....	....	....	....	25	27	33	18	14	12
5....	10	....	....	....	....	25	27	33	18	14	12
6....	10	....	....	....	....	25	27	33	16	16	12
7....	10	....	....	....	....	25	30	33	16	14	14
8....	10	....	....	....	....	25	33	30	16	14	12
9....	10	....	....	....	....	25	33	27	21	14	12
10....	7	....	....	....	....	25	33	27	18	16	12
11....	7	....	....	....	....	25	37	27	18	16	14
12....	7	....	....	....	....	25	37	27	18	16	12
13....	7	....	....	....	....	25	37	27	16	14	12
14....	7	....	....	....	....	25	41	27	16	14	12
15....	7	....	....	....	....	27	41	24	16	14	12
16....	7	....	....	....	....	27	41	24	16	14	12
17....	7	....	....	....	....	27	41	24	16	12	10
18....	7	....	....	....	....	27	41	24	16	12	10
19....	7	....	....	....	....	30	41	24	14	12	10
20....	7	....	....	....	....	30	41	24	14	14	10
21....	7	....	....	....	....	30	46	24	16	12	9
22....	7	....	....	....	....	30	46	21	16	12	9
23....	7	....	....	....	....	27	46	21	14	12	9
24....	6	....	....	....	....	27	46	21	12	12	9
25....	6	....	....	....	....	27	41	21	12	12	9
26....	6	....	....	....	....	27	41	21	12	12	9
27....	6	....	....	....	....	24	41	21	14	12	9
28....	6	....	....	....	....	24	41	21	16	12	8
29....	6	....	....	....	....	24	41	18	14	12	8
30....	6	....	....	....	....	27	41	18	14	12	9
31....	41	....	14	14	....
Total	234	....	....	....	....	785	1160	782	491	414	328
Mean.	12	7.80	....	....	....	....	26.2	37.4	26.1	15.8	13.4	10.9
Max..	30	46	37	21	16	14
Min...	27	18	12	12	8
Acre-ft.	738	464	....	....	....	....	1560	2300	1550	972	824	649

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Trinchera Creek Above Turner's Ranch for Year Ending Sept. 30, 1926.
Drainage Area 45 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	10	.....	.....	.....	.....	.....	.....	58	217	72	29	12
2....	10	.....	.....	.....	.....	.....	.....	64	233	72	24	16
3....	10	.....	.....	.....	.....	.....	.....	64	242	66	24	16
4....	10	.....	.....	.....	.....	.....	.....	64	233	66	24	16
5....	10	.....	.....	.....	.....	.....	.....	82	233	60	24	12
6....	10	.....	.....	.....	.....	.....	.....	96	233	66	24	12
7....	10	.....	.....	.....	.....	.....	.....	89	225	60	24	12
8....	10	.....	.....	.....	.....	.....	.....	76	217	55	24	12
9....	10	.....	.....	.....	.....	.....	.....	64	209	55	24	12
10....	10	.....	.....	.....	.....	.....	.....	58	194	50	24	12
11....	10	.....	.....	.....	.....	.....	.....	53	194	55	24	9
12....	10	.....	.....	.....	.....	.....	.....	48	186	50	24	9
13....	10	.....	.....	.....	.....	.....	.....	43	150	50	29	16
14....	10	.....	.....	.....	.....	.....	.....	48	136	44	24	12
15....	10	.....	.....	.....	.....	.....	.....	53	129	50	24	12
16....	10	.....	.....	.....	.....	.....	.....	76	129	50	24	12
17....	10	.....	.....	.....	.....	.....	.....	102	129	44	24	12
18....	10	.....	.....	.....	.....	.....	.....	130	129	39	24	12
19....	10	.....	.....	.....	.....	.....	.....	152	129	39	24	9
20....	10	.....	.....	.....	.....	.....	.....	192	122	39	20	9
21....	10	.....	.....	.....	.....	.....	.....	253	116	44	20	9
22....	10	.....	.....	.....	.....	.....	.....	281	110	44	20	9
23....	10	.....	.....	.....	.....	.....	.....	310	103	39	20	9
24....	10	.....	.....	.....	.....	.....	.....	310	96	34	16	9
25....	10	.....	.....	.....	.....	.....	.....	294	90	34	16	9
26....	10	.....	.....	.....	.....	.....	.....	267	84	34	16	12
27....	10	.....	.....	.....	.....	.....	.....	48	217	84	34	16
28....	8	.....	.....	.....	.....	.....	.....	43	201	78	34	16
29....	8	.....	.....	.....	.....	.....	.....	48	186	78	34	16
30....	8	.....	.....	.....	.....	.....	.....	53	194	78	34	12
31....	8	.....	.....	.....	.....	.....	.....	201	.....	34	16	.....
Total	302	.....	.....	.....	.....	.....	.....	4326	4586	1481	670	365
Mean..	9.74	.....	.....	.....	.....	.....	.....	140	153	47.8	21.6	12.2
Max...	.....	.....	.....	.....	.....	.....	.....	310	242	72	29	16
Min...	.....	.....	.....	.....	.....	.....	.....	43	78	34	12	9
Acre-ft.	599	.....	.....	.....	.....	.....	.....	8610	9100	2940	1330	726

Discharge of Trinchera Creek Above Mt. Home Res. for Year Ending Sept. 30, 1925.
Drainage Area 61 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	4.6	5.6	.....	.....	.....	.....	6.5	7.0	24	12	10	7.6
2....	4.6	3.2	.....	.....	.....	.....	6.5	7.0	19	12	11	6.5
3....	3.6	1.2	.....	.....	.....	.....	5.1	6.0	14	11	11	6.5
4....	3.2	1.7	.....	.....	.....	.....	4.6	7.6	16	8.2	11	7.0
5....	4.6	2.2	.....	.....	.....	.....	5.6	14	15	11	13	7.0
6....	5.1	7.0	.....	.....	.....	.....	5.1	15	15	9.4	15	7.0
7....	4.6	7.0	.....	.....	.....	.....	5.6	13	14	8.2	12	7.0
8....	4.1	6.0	.....	.....	.....	.....	5.6	14	14	7.6	11	6.0
9....	3.2	7.0	.....	.....	.....	.....	6.0	13	11	14	12	6.0
10....	3.2	7.0	.....	.....	.....	.....	5.6	14	6	12	18	6.0
11....	1.7	7.0	.....	.....	.....	.....	5.1	14	8	8.2	15	5.6
12....	1.0	6.5	.....	.....	.....	.....	4.1	15	9	7.6	11	6.0
13....	1.0	7.0	.....	.....	.....	.....	3.2	15	11	8.2	11	6.5
14....	1.4	8.8	.....	.....	.....	.....	4.6	16	11	7.6	11	5.6
15....	1.7	8.2	.....	.....	.....	.....	4.6	14	12	8.2	10	5.1
16....	2.2	7.0	.....	.....	.....	.....	6.0	14	11	8.8	10	5.1
17....	2.7	6.0	.....	.....	.....	.....	6.5	14	9	12	9.4	4.6
18....	3.2	5.6	.....	.....	.....	.....	7.0	15	11	8.2	9.4	5.6
19....	3.6	7.0	.....	.....	.....	.....	7.0	16	11	7.0	9.4	5.6
20....	4.6	8.8	.....	.....	.....	.....	6.0	16	9	6.5	11	5.1
21....	3.6	10	.....	.....	.....	.....	3.6	19	11	7.6	11	4.6
22....	2.7	8.0	.....	.....	.....	.....	3.2	19	8	10	8.8	4.6
23....	2.2	8.0	.....	.....	.....	.....	2.2	16	8	8.8	7.6	5.6
24....	2.2	8.0	.....	.....	.....	.....	4.1	15	7	8.2	8.2	6.0
25....	1.5	8.0	.....	.....	.....	.....	6.4	17	10	9.4	8.2	6.0
26....	0.5	8.0	.....	.....	.....	.....	4.1	15	14	9.4	7.6	5.6
27....	0.5	8.0	.....	.....	.....	.....	7.0	4.0	14	14	10	7.0
28....	0.8	8.0	.....	.....	.....	.....	6.0	4.0	22	15	11	7.6
29....	1.7	8.0	.....	.....	.....	.....	5.1	4.0	23	14	9.4	6.0
30....	3.2	8.0	.....	.....	.....	.....	5.1	7.0	23	13	9.4	6.0
31....	3.2	.....	.....	.....	.....	.....	5.6	24	.....	10	9.4	.....
Total	86.0	202	.....	.....	.....	.....	152.9	466.6	364	290.9	318.6	173.7
Mean..	2.77	6.73	.....	.....	.....	.....	5.10	15.1	12.1	9.38	10.3	5.79
Max...	5.1	10	.....	.....	.....	.....	7.0	24	24	14	18	7.6
Min...	0.5	1.2	.....	.....	.....	.....	2.2	6	6	6.5	6	4.6
Acre-ft.	170	400	.....	.....	.....	.....	303	928	720	577	633	345

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Trinchera Creek Above Mt. Home Res. for Year Ending Sept. 30, 1926.
Drainage Area 61 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	4	4	.....	.....	.....	.....	5	19	204	52	30	8
2....	3	4	.....	.....	.....	.....	5	22	251	48	26	8
3....	3	3	.....	.....	.....	.....	5	31	259	45	23	8
4....	2	3	.....	.....	.....	.....	5	31	274	45	23	8
5....	2	3	.....	.....	.....	.....	5	38	286	42	23	7
6....	2	5	.....	.....	.....	.....	7	65	286	52	22	6
7....	2	6	.....	.....	.....	.....	7	57	290	46	20	6
8....	2	6	.....	.....	.....	.....	7	42	274	42	21	5
9....	2	5	.....	.....	.....	.....	7	31	278	37	18	4
10....	2	5	.....	.....	.....	.....	7	27	236	36	16	4
11....	2	5	.....	.....	.....	.....	7	24	204	42	16	5
12....	1	5	.....	.....	.....	.....	7	22	208	41	16	7
13....	1	5	.....	.....	.....	.....	7	21	201	44	18	5
14....	2	5	.....	.....	.....	.....	7	20	188	42	18	4
15....	2	4	.....	.....	.....	.....	8	24	178	46	17	3
16....	2	3	.....	.....	.....	.....	8	31	172	44	12	4
17....	2	2	.....	.....	.....	.....	11	52	158	41	12	5
18....	2	3	.....	.....	.....	.....	13	67	142	40	11	5
19....	2	4	.....	.....	.....	.....	12	82	137	36	11	4
20....	2	5	.....	.....	.....	.....	12	98	137	32	11	4
21....	2	6	.....	.....	.....	.....	11	132	127	31	10	4
22....	2	5	.....	.....	.....	.....	10	166	109	32	11	3
23....	3	5	.....	.....	.....	.....	10	282	96	31	11	4
24....	3	5	.....	.....	.....	.....	13	326	90	35	11	6
25....	3	5	.....	.....	.....	.....	14	331	86	36	11	10
26....	3	5	.....	.....	.....	.....	16	347	80	35	10	12
27....	2	5	.....	.....	.....	.....	21	298	74	35	10	14
28....	2	5	.....	.....	.....	.....	19	233	67	35	9	13
29....	2	5	.....	.....	.....	.....	14	155	57	30	9	13
30....	2	5	.....	.....	.....	.....	16	155	56	31	9	11
31....	2	.....	.....	.....	.....	.....	.....	172	.....	32	8	.....
Total	68	136	.....	.....	.....	.....	296	3401	5205	1216	473	200
Mean.	2.19	4.53	.....	.....	.....	.....	9.55	110	174	39.2	15.3	6.67
Max..	4	.....	.....	.....	.....	.....	.....	347	290	52	30	14
Min..	1	.....	.....	.....	.....	.....	.....	19	56	30	8	3
Acre-ft.	135	270	.....	.....	.....	.....	568	6760	10400	2410	941	397

Discharge of Sangre de Cristo Creek Near Ft. Garland for Year Ending Sept. 30, 1925.
Drainage Area 187 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	7	15	.....	.....	.....	.....	30	35	8	3	5	1
2....	7	15	.....	.....	.....	.....	30	33	8	3	5	0
3....	7	15	.....	.....	.....	.....	32	31	7	2	4	0
4....	7	15	.....	.....	.....	.....	32	27	7	2	8	0
5....	7	15	.....	.....	.....	.....	36	34	5	4	7	0
6....	7	15	.....	.....	.....	.....	33	44	4	4	9	1
7....	8	13	.....	.....	.....	.....	27	43	4	3	21	3
8....	11	16	.....	.....	.....	.....	27	37	4	2	16	4
9....	16	18	.....	.....	.....	.....	27	33	4	5	9	2
10....	16	16	.....	.....	.....	.....	28	36	5	6	17	2
11....	16	15	.....	.....	.....	.....	33	53	3	3	15	2
12....	18	16	.....	.....	.....	.....	36	52	11	4	8	3
13....	18	18	.....	.....	.....	.....	36	42	8	4	6	4
14....	17	18	.....	.....	.....	.....	36	37	6	3	5	4
15....	20	19	.....	.....	.....	.....	40	31	5	2	5	3
16....	20	18	.....	.....	.....	.....	40	28	4	1	5	2
17....	18	18	.....	.....	.....	.....	39	25	4	3	3	1
18....	17	19	.....	.....	.....	.....	39	21	4	4	1	1
19....	17	20	.....	.....	.....	.....	38	19	4	3	1	1
20....	17	18	.....	.....	.....	.....	36	18	4	2	2	0
21....	16	15	.....	.....	.....	.....	34	18	4	4	4	0
22....	17	16	.....	.....	.....	.....	36	19	3	13	4	0
23....	17	13	.....	.....	.....	.....	30	19	3	7	2	1
24....	18	13	.....	.....	.....	.....	33	18	4	5	1	2
25....	17	11	.....	.....	.....	.....	34	18	4	5	0	2
26....	16	10	.....	.....	.....	.....	32	18	4	6	0	2
27....	16	10	.....	.....	.....	.....	31	15	4	6	0	1
28....	13	10	.....	.....	.....	.....	28	12	5	8	1	0
29....	13	10	.....	.....	.....	.....	28	10	4	7	0	0
30....	16	10	.....	.....	.....	.....	34	10	4	7	0	0
31....	16	.....	.....	.....	.....	.....	.....	9	.....	6	2	.....
Total	446	450	.....	.....	.....	.....	995	845	148	137	166	42
Mean.	14.4	15.0	.....	.....	.....	.....	33.2	27.3	4.93	4.42	5.35	1.40
Max..	20	20	.....	.....	.....	.....	40	53	11	13	21	4
Min..	7	10	.....	.....	.....	.....	.....	9	3	1	0	0
Acre-ft.	885	893	.....	.....	.....	.....	1980	1680	293	272	329	83

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Sangre de Cristo Creek near Fort Garland for Year Ending Sept. 30, 1926.
Drainage Area 187 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	1	5	.....	.....	.....	.....	15	221	196	41	10	4
2....	1	5	.....	.....	.....	.....	15	225	196	40	9	4
3....	1	6	.....	.....	.....	.....	20	219	138	39	7	4
4....	1	5	.....	.....	.....	.....	20	215	138	40	7	4
5....	1	4	.....	.....	.....	.....	20	246	131	38	7	5
6....	3	4	.....	.....	.....	.....	24	281	120	37	7	4
7....	3	5	.....	.....	.....	.....	27	264	120	36	8	4
8....	2	2	.....	.....	.....	.....	27	227	115	33	9	4
9....	2	1	.....	.....	.....	.....	24	200	104	31	6	4
10....	2	1	.....	.....	.....	.....	27	196	98	26	6	4
11....	2	2	.....	.....	.....	.....	24	191	96	30	7	4
12....	4	2	.....	.....	.....	.....	22	170	92	31	6	4
13....	4	3	.....	.....	.....	.....	28	164	91	37	12	4
14....	4	4	.....	.....	.....	.....	35	162	81	31	14	4
15....	4	5	.....	.....	.....	.....	35	179	78	32	11	3
16....	6	4	.....	.....	.....	.....	49	200	77	30	9	3
17....	6	5	.....	.....	.....	.....	76	225	75	26	8	4
18....	5	5	.....	.....	.....	.....	79	243	73	21	7	5
19....	4	6	.....	.....	.....	.....	93	248	70	19	7	4
20....	4	6	.....	.....	.....	.....	100	257	64	18	6	4
21....	4	6	.....	.....	.....	.....	89	274	56	17	6	4
22....	5	6	.....	.....	.....	.....	80	273	51	16	6	4
23....	5	6	.....	.....	.....	.....	106	271	48	16	5	3
24....	7	6	.....	.....	.....	.....	141	271	48	22	4	3
25....	7	6	.....	.....	.....	.....	162	266	46	23	4	4
26....	6	6	.....	.....	.....	.....	212	245	43	21	4	5
27....	5	6	.....	.....	.....	.....	230	243	38	20	4	6
28....	6	6	.....	.....	.....	.....	212	220	37	20	4	6
29....	6	6	.....	.....	.....	.....	210	201	36	20	4	5
30....	6	6	.....	.....	.....	.....	216	196	44	22	4	4
31....	4	.....	.....	.....	.....	.....	.....	196	.....	13	4	.....
Total	121	140	.....	.....	.....	.....	2418	6989	2600	846	212	124
Mean.	3.90	4.67	.....	.....	.....	.....	80.6	225	86.7	27.3	6.84	4.13
Max....	7	6	.....	.....	.....	.....	230	281	196	41	14	6
Min....	1	1	.....	.....	.....	.....	.....	162	36	13	4	3
Acre-ft.	240	278	.....	.....	.....	.....	4800	13800	5160	1680	421	246

Discharge of Ute Creek Near Fort Garland for Year Ending Sept. 30, 1925.
Drainage Area 32 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	5.8	7.1	.....	.....	.....	.....	20	17	22	12	18	9
2....	6.7	6.7	.....	.....	.....	.....	20	19	19	9	18	9
3....	7.1	6.2	.....	.....	.....	.....	21	20	18	14	19	9
4....	7.6	5.8	.....	.....	.....	.....	21	20	18	26	26	9
5....	8.0	5.8	.....	.....	.....	.....	24	19	16	45	28	10
6....	8.0	5.8	.....	.....	.....	.....	22	20	18	30	22	10
7....	8.5	7.1	.....	.....	.....	.....	18	22	19	21	21	15
8....	12	10	.....	.....	.....	.....	18	20	18	17	26	18
9....	12	10	.....	.....	.....	.....	18	20	18	29	30	16
10....	11	9.0	.....	.....	.....	.....	19	22	19	34	43	14
11....	10	8.0	.....	.....	.....	.....	22	26	22	39	39	13
12....	9.5	8.0	.....	.....	.....	.....	24	22	23	34	30	13
13....	12	9.0	.....	.....	.....	.....	24	18	18	26	24	18
14....	10	10	.....	.....	.....	.....	24	20	13	21	22	18
15....	12	13	.....	.....	.....	.....	27	19	14	17	18	17
16....	10	13	.....	.....	.....	.....	28	20	16	18	15	15
17....	8.5	12	.....	.....	.....	.....	28	20	17	26	14	14
18....	8.5	12	.....	.....	.....	.....	26	22	16	25	12	12
19....	8.5	9.5	.....	.....	.....	.....	23	25	14	20	10	12
20....	8.5	9.5	.....	.....	.....	.....	24	28	14	20	11	11
21....	8.0	6.7	.....	.....	.....	.....	22	30	15	24	24	10
22....	8.0	5.8	.....	.....	.....	.....	22	31	14	37	21	10
23....	9.0	4.9	.....	.....	.....	.....	18	28	14	28	18	10
24....	10	3.6	.....	.....	.....	.....	17	28	18	20	18	11
25....	10	3.6	.....	.....	.....	.....	16	28	16	18	17	10
26....	9.6	4.0	.....	.....	.....	.....	16	28	17	18	14	10
27....	8.5	4.9	.....	.....	.....	.....	14	26	14	18	13	9
28....	8.5	6.2	.....	.....	.....	.....	16	26	19	20	14	8
29....	9.0	4.9	.....	.....	.....	.....	18	26	16	18	13	8
30....	8.5	4.9	.....	.....	.....	.....	18	26	14	17	10	8
31....	5.8	.....	.....	.....	.....	.....	.....	28	.....	16	9	.....
Total	278.5	227	.....	.....	.....	.....	628	724	509	717	617	356
Mean.	8.98	7.57	.....	.....	.....	.....	20.9	23.4	17.0	23.1	19.9	11.9
Max....	12	13	.....	.....	.....	.....	28	31	23	45	43	18
Min....	5.8	3.6	.....	.....	.....	.....	14	17	13	9	9	8
Acre-ft.	552	450	.....	.....	.....	.....	1240	1440	1010	1420	1220	708

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Ute Creek Near Fort Garland for Year Ending Sept. 30, 1926.
Drainage Area 32 Square Miles. Altitude..... Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	9	11	....	....	....	....	14	71	77	47	13	6
2....	9	10	....	....	....	....	14	76	95	44	12	7
3....	10	10	....	....	....	....	14	71	98	44	12	7
4....	9	11	....	....	....	....	14	72	121	39	12	7
5....	11	12	....	....	....	....	14	90	134	36	10	7
6....	19	12	....	....	....	....	14	96	137	39	9	6
7....	12	12	....	....	....	....	16	88	135	43	12	6
8....	10	12	....	....	....	....	16	82	122	32	14	6
9....	10	12	....	....	....	....	16	76	116	28	12	6
10....	11	13	....	....	....	....	14	76	110	31	11	6
11....	13	13	....	....	....	....	14	74	98	38	12	8
12....	10	13	....	....	....	....	14	64	100	36	11	8
13....	10	13	....	....	....	....	18	57	95	37	10	7
14....	11	11	....	....	....	....	18	51	91	33	12	7
15....	10	12	....	....	....	....	18	48	91	29	11	7
16....	10	9	....	....	....	....	27	55	86	26	10	6
17....	11	10	....	....	....	....	35	72	78	24	11	6
18....	10	11	....	....	....	....	34	81	71	22	11	8
19....	10	10	....	....	....	....	39	84	62	20	10	8
20....	10	12	....	....	....	....	38	94	60	20	9	7
21....	10	12	....	....	....	....	36	108	58	20	9	7
22....	10	11	....	....	....	....	43	117	56	20	8	6
23....	11	10	....	....	....	....	54	75	54	19	7	5
24....	12	10	....	....	....	....	58	71	52	23	7	5
25....	11	10	....	....	....	....	65	65	50	20	7	6
26....	11	10	....	....	....	....	71	66	53	26	7	8
27....	10	10	....	....	....	....	74	79	48	20	7	7
28....	9	10	....	....	....	....	64	97	44	18	7	7
29....	10	10	....	....	....	....	62	67	44	14	7	8
30....	9	10	....	....	....	....	67	59	45	14	7	8
31....	9	....	....	....	....	....	....	68	....	13	7	....
Total	327	332	....	....	....	....	995	2350	2481	875	304	203
Mean.	10.5	11.1	....	....	....	....	33.2	75.8	82.7	28.2	9.81	6.77
Max..	19	13	....	....	....	....	71	117	137	47	14	8
Min..	9	....	....	....	....	....	14	48	44	13	7	5
Acre-ft.	646	660	....	....	....	....	1980	4660	4920	1730	603	403

Discharge of Conejos River near Mogote for Year Ending Sept. 30, 1925
Drainage Area, 282 Square Miles. Altitude, 8,300 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	47	59	52	....	....	58	200	769	1180	507	249	124
2....	49	62	54	....	....	58	169	828	1030	520	272	127
3....	50	62	62	....	....	58	209	1070	872	429	281	127
4....	47	62	49	....	....	58	268	1220	872	381	245	118
5....	45	59	59	....	....	58	301	1210	1180	534	272	113
6....	45	62	....	....	....	60	286	1060	1030	417	268	110
7....	47	55	....	....	....	60	236	1040	1030	353	254	99
8....	58	47	....	....	....	60	196	1090	1030	331	342	92
9....	59	61	....	....	....	60	209	1190	1100	370	331	87
10....	59	59	....	....	....	60	263	1170	1180	386	474	87
11....	59	59	....	....	....	62	342	1060	1180	480	480	85
12....	50	58	....	....	....	62	417	890	872	527	386	85
13....	55	64	....	....	....	62	494	916	761	375	353	94
14....	59	65	....	....	....	62	555	1090	935	321	277	104
15....	85	64	....	....	....	62	642	954	991	286	236	87
16....	89	64	....	....	....	64	712	1140	1040	263	205	81
17....	78	55	....	....	....	64	811	1060	1030	291	181	76
18....	104	59	....	....	....	64	811	1320	944	301	158	99
19....	99	68	....	....	....	64	720	1460	963	240	162	364
20....	76	61	....	....	....	64	720	1570	916	296	166	375
21....	71	64	....	....	....	66	769	1510	1010	404	231	286
22....	70	62	....	....	....	88	720	1260	991	392	181	231
23....	68	56	....	48	....	100	555	1310	872	296	188	196
24....	66	50	....	....	....	108	442	1400	756	240	206	192
25....	66	50	....	....	....	158	442	1340	786	209	206	173
26....	65	54	....	....	....	158	487	1340	704	209	188	158
27....	59	55	....	....	....	158	534	1270	627	227	188	148
28....	59	59	....	....	58	158	642	1200	597	209	136	127
29....	58	54	....	....	....	158	803	1180	548	200	136	118
30....	61	55	50	....	....	185	769	1200	520	231	124	116
31....	55	....	....	....	....	173	....	1280	....	192	136	....
Total	1958	1764	....	....	....	2730	14724	36397	27577	10417	7512	4279
Mean.	63.2	58.8	52	49	54	88.1	491	1170	919	336	242	143
Max..	104	68	....	....	....	185	811	1570	1180	534	480	375
Min..	45	47	....	....	....	....	169	769	520	192	124	76
Acre-ft.	3890	3500	3200	3010	3000	5420	29200	71900	54700	20700	14900	8510

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Conejos River near Mogote for Year Ending Sept. 30, 1926
Drainage Area, 282 Square Miles. Altitude, 8,300 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	96	131	.....	.....	.....	.....	80	1080	2130	812	173	57
2.....	96	113	.....	.....	48	68	85	1200	2270	740	170	54
3.....	94	148	.....	.....	.....	.....	90	1110	2130	698	199	52
4.....	92	113	.....	.....	.....	.....	95	1110	2080	689	241	55
5.....	104	127	.....	59	.....	.....	100	1260	2140	681	218	63
6.....	451	148	.....	.....	.....	.....	116	1200	2220	641	184	55
7.....	291	162	.....	.....	.....	.....	116	1030	2320	572	232	50
8.....	245	131	.....	.....	.....	.....	122	950	1960	478	422	49
9.....	200	116	.....	.....	.....	.....	98	776	2010	478	280	46
10.....	196	118	.....	.....	.....	.....	86	698	1840	418	223	46
11.....	286	118	.....	.....	.....	.....	98	641	1880	521	195	47
12.....	254	121	.....	.....	.....	.....	122	572	1880	633	177	50
13.....	258	121	.....	.....	.....	.....	116	514	1690	586	149	49
14.....	254	124	.....	.....	.....	.....	134	528	1800	514	156	43
15.....	218	113	.....	.....	.....	.....	170	672	1740	521	156	42
16.....	200	134	.....	.....	.....	.....	227	920	1590	458	160	40
17.....	196	124	.....	.....	.....	.....	309	1040	1490	425	153	49
18.....	177	124	.....	.....	.....	.....	320	1170	1260	386	128	49
19.....	166	113	.....	.....	.....	.....	315	1330	1240	362	111	43
20.....	158	116	59	.....	.....	.....	338	1530	1230	344	98	35
21.....	155	116	.....	.....	.....	.....	253	1740	1190	338	95	32
22.....	162	113	.....	.....	.....	.....	253	1820	1150	296	95	33
23.....	169	96	.....	.....	.....	.....	253	1990	1130	264	86	35
24.....	166	96	.....	.....	.....	.....	308	2040	1130	280	81	35
25.....	151	102	.....	.....	.....	.....	520	1830	1050	255	72	33
26.....	141	89	.....	.....	.....	.....	760	1870	980	232	66	35
27.....	134	87	.....	.....	.....	.....	1080	1680	930	232	64	52
28.....	138	85	.....	.....	.....	.....	1080	1410	910	232	64	55
29.....	134	81	.....	.....	.....	.....	860	1440	794	214	64	49
30.....	127	74	.....	.....	.....	.....	1020	1730	757	184	66	44
31.....	124	.....	.....	.....	.....	.....	.....	1900	.....	163	64	.....
Total	5636	3454	.....	.....	.....	.....	9524	38781	46921	13647	4642	1377
Mean.	182	115	64	61	56	72	317	1250	1560	440	150	45.9
Max.	454	162	.....	.....	.....	.....	.....	2040	2320	812	422	63
Min.	92	74	.....	.....	.....	.....	.....	514	757	163	64	32
Acro-ft.	11200	6840	3940	3750	3110	4430	18900	76900	92800	27100	9220	2730

Discharge of Conejos River at Mouth near La Sauses for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	36	67	57	78	91	105	80	346	297	45	2	46
2.....	36	67	57	68	91	105	91	339	230	46	2	46
3.....	36	63	55	68	102	105	91	315	202	46	8	46
4.....	38	63	60	68	102	105	91	489	164	46	11	46
5.....	38	63	58	59	91	105	91	652	148	46	22	46
6.....	38	63	58	68	91	113	91	634	148	27	38	46
7.....	38	67	65	59	91	113	91	520	148	27	68	55
8.....	38	67	61	59	91	136	83	536	133	18	79	55
9.....	38	67	52	50	91	136	71	565	107	11	81	55
10.....	38	67	52	50	83	113	80	576	81	3	220	46
11.....	38	59	54	50	91	91	83	576	68	3	354	46
12.....	40	59	54	50	83	91	91	539	78	3	302	46
13.....	40	59	63	50	102	91	124	429	76	3	336	47
14.....	40	63	74	50	102	91	191	362	63	3	253	46
15.....	42	63	59	50	102	88	271	369	63	3	206	45
16.....	45	63	56	61	99	77	376	330	63	3	165	55
17.....	45	63	58	61	88	77	498	330	63	3	92	46
18.....	52	59	65	61	91	77	596	323	63	3	81	45
19.....	48	65	82	61	91	77	548	429	54	3	81	45
20.....	51	63	95	61	102	88	467	573	54	3	68	56
21.....	55	63	91	61	102	91	478	668	63	3	68	92
22.....	55	63	73	61	102	88	478	616	92	3	57	101
23.....	55	60	73	61	99	77	366	468	129	2	64	90
24.....	55	58	61	61	102	77	268	429	125	2	61	90
25.....	55	53	59	61	102	91	227	410	110	2	75	79
26.....	55	55	54	63	105	91	164	351	105	2	75	78
27.....	55	56	52	63	105	91	164	333	92	2	75	65
28.....	59	58	64	65	105	80	192	297	78	1	64	56
29.....	59	54	61	78	.....	71	230	282	64	1	64	55
30.....	63	54	70	80	.....	71	308	297	45	1	64	55
31.....	63	.....	70	80	.....	71	.....	313	.....	2	55	.....
Total	1444	1842	1973	1916	2766	2886	6989	13696	3206	366	3194	1725
Mean.	46.6	61.4	63.6	61.8	96.6	93.1	233	442	107	11.8	103	57.5
Max.	63	67	95	80	105	136	596	668	297	46	354	101
Min.	36	53	52	50	83	71	71	282	45	1	2	45
Acro-ft.	2870	3650	3910	3800	5360	5720	13900	27200	6370	726	6330	3420

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Conejos River at Mouth near La Sauses for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	67	123	105	77	78	88	95	1180	1360	86	13	13
2....	67	112	118	87	78	90	108	1310	1580	66	13	13
3....	58	112	118	77	68	102	95	1570	1650	65	13	13
4....	58	112	101	58	68	102	82	1610	1420	84	13	13
5....	49	112	92	67	79	115	82	1400	1330	83	21	13
6....	49	110	82	67	90	129	82	1710	1390	70	21	13
7....	63	112	82	68	101	102	92	1810	1550	60	22	14
8....	118	112	92	68	90	102	105	1420	1580	60	14	22
9....	95	100	92	78	88	102	105	1140	1360	50	14	22
10....	95	100	70	68	88	105	111	835	1230	49	14	22
11....	95	112	70	68	98	92	114	791	1240	52	14	23
12....	101	123	70	78	98	92	118	679	1200	66	14	24
13....	143	134	61	68	88	92	108	600	1210	84	22	24
14....	154	134	59	68	97	102	124	531	1110	144	14	24
15....	177	123	68	88	98	112	118	514	1020	130	14	24
16....	177	100	59	78	98	102	105	705	913	117	22	24
17....	162	100	55	68	110	82	108	967	754	107	22	24
18....	162	112	55	68	98	82	132	1150	653	105	23	24
19....	151	112	55	78	98	72	172	1370	615	89	23	24
20....	140	112	65	68	97	72	200	1720	635	64	22	24
21....	140	100	70	68	97	72	260	2160	545	42	22	24
22....	140	100	77	68	97	92	213	2400	458	21	23	24
23....	140	102	58	78	78	92	256	2280	414	21	23	24
24....	137	112	67	88	88	102	475	2260	378	21	22	33
25....	137	123	67	78	88	95	718	2210	315	21	22	33
26....	134	112	58	88	68	95	960	1660	220	21	22	33
27....	137	112	58	88	88	95	1180	1390	220	21	22	33
28....	137	112	58	88	88	82	1330	1330	207	21	22	33
29....	137	102	77	88	....	75	1050	1290	160	21	22	33
30....	137	102	67	88	....	95	984	1170	130	21	22	33
31....	134	....	77	78	....	95	....	1210	....	21	22	....
Total	3691	3344	2303	2343	2500	2927	9682	42372	26847	1883	592	700
Mean.	119	111	74.3	75.6	89.3	94.4	323	1370	895	60.7	19.1	23.3
Max..	177	134	118	88	110	129	1330	2400	1650	144	23	33
Min..	49	100	55	58	68	72	82	514	130	21	13	13
Acre-ft.	7320	6600	4570	4650	4960	5800	19200	84200	53300	3730	1170	1390

Discharge of San Antonio River at Ortiz for Year Ending Sept. 30, 1925.**Drainage Area, 110 Square Miles. Altitude, Feet Above Sea Level.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	1	3	....	....	....	....	7	92	29	4	3	2
2....	1	3	....	....	....	....	2	88	24	4	5	2
3....	1	3	....	....	....	....	12	78	18	4	7	2
4....	1	3	....	....	....	....	18	92	15	3	5	2
5....	1	3	....	....	....	....	51	100	14	4	4	2
6....	1	3	....	....	....	....	45	82	13	3	5	2
7....	1	3	....	....	....	....	37	78	11	3	5	2
8....	1	3	....	....	....	....	12	65	11	2	7	2
9....	1	3	....	....	....	....	68	57	10	3	5	1
10....	1	3	....	....	....	....	45	47	10	5	10	1
11....	1	4	....	....	....	....	60	50	13	4	7	1
12....	1	4	....	....	....	....	103	40	13	5	5	1
13....	1	4	....	....	....	....	108	24	9	3	5	1
14....	1	4	....	....	....	....	118	21	9	2	5	1
15....	1	4	....	....	....	....	133	10	8	2	4	1
16....	3	4	....	....	....	....	151	9	8	2	4	1
17....	6	4	....	....	....	....	182	7	8	2	3	1
18....	5	4	....	....	....	....	161	8	8	2	3	1
19....	3	4	....	....	....	....	133	8	8	2	3	1
20....	3	4	....	....	....	....	151	6	9	2	3	1
21....	3	4	....	....	....	....	147	4	9	3	5	1
22....	3	4	....	....	....	....	130	11	7	2	5	1
23....	3	4	....	....	....	....	88	11	7	2	3	1
24....	3	4	....	....	....	....	74	8	7	2	3	1
25....	3	4	....	....	....	....	40	64	8	7	2	1
26....	3	4	....	....	....	....	51	78	21	7	2	1
27....	3	4	....	....	....	....	37	85	14	6	3	1
28....	3	4	....	....	....	....	12	113	12	5	3	1
29....	3	4	....	....	....	....	51	108	13	5	3	1
30....	3	4	....	....	....	....	51	103	6	5	3	1
31....	3	....	....	....	....	....	71	....	3	....	2	....
Total	68	110	....	....	....	....	2587	1073	313	89	128	38
Mean.	2.19	3.67	....	....	....	....	86.2	34.6	10.4	2.87	4.13	1.27
Max..	....	....	....	....	....	....	....	....	....	....	....	....
Min..	....	....	....	....	....	....	....	....	....	....	....	....
Acre-ft.	135	218	....	....	....	....	5130	2130	619	176	254	76

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of San Antonio River at Ortiz for Year Ending Sept. 30, 1926.
Drainage Area, 110 Square Miles. Altitude, . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	1	1	...	...	...	...	20	370	52	1	1	1
2....	1	1	...	...	...	...	20	370	46	1	1	1
3....	1	1	...	...	...	...	20	370	41	1	1	1
4....	1	1	...	...	...	...	20	355	35	2	3	1
5....	1	1	...	...	...	...	35	511	32	2	5	1
6....	1	1	...	...	...	...	50	538	27	10	4	1
7....	3	1	...	...	...	...	97	355	25	13	8	1
8....	5	1	...	...	...	...	99	278	29	6	9	1
9....	5	1	...	...	...	...	67	188	23	4	6	1
10....	6	1	...	...	...	...	49	174	20	2	4	1
11....	1	1	...	...	...	...	30	147	22	2	4	1
12....	3	1	...	...	...	...	28	122	17	9	4	1
13....	1	1	...	...	...	...	36	97	19	7	4	1
14....	1	1	...	...	...	...	56	101	15	5	3	1
15....	1	1	...	...	...	...	72	165	10	4	3	1
16....	1	1	...	...	...	...	139	290	9	4	4	1
17....	1	1	...	...	...	...	188	295	8	3	5	1
18....	3	1	...	...	...	...	159	295	7	2	5	1
19....	1	1	...	...	...	...	150	308	6	2	3	1
20....	1	2	...	...	...	...	156	345	5	1	2	1
21....	1	2	...	...	...	...	95	312	5	2	2	1
22....	1	2	...	...	...	...	124	238	4	1	1	1
23....	1	2	...	...	...	...	235	198	4	1	1	1
24....	1	2	...	...	...	...	274	165	3	1	2	1
25....	1	3	...	...	...	...	308	153	3	2	1	1
26....	1	3	...	...	...	...	390	122	2	2	1	1
27....	1	3	...	...	...	...	410	110	2	2	1	1
28....	1	3	...	...	...	...	274	97	2	1	1	2
29....	1	3	...	...	...	...	238	80	1	1	1	1
30....	1	3	...	...	...	...	278	72	1	1	1	1
31....	1	...	...	...	...	...	...	65	...	1	1	...
Total	50	47	...	...	...	...	4117	7286	475	96	92	31
Mean	1.61	1.57	...	...	...	...	137	235	15.8	3.10	2.97	1.03
Max...	6	3	...	...	...	...	410	538	52	13	9	2
Min...	1	1	...	...	...	...	20	65	1	1	1	1
Acre-ft.	99	93	...	...	...	...	8150	14400	940	191	183	61

Discharge of San Antonio River near Manassa (Mouth) for Year Ending Sept. 30, 1925.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	0	3	...	...	...	...	60	351	109	30	2	14
2....	0	3	...	...	...	...	60	291	107	30	2	13
3....	0	3	...	...	...	...	60	305	98	28	9	13
4....	0	4	...	...	...	...	63	378	73	21	18	13
5....	0	4	...	...	...	...	51	432	65	14	27	11
6....	0	4	...	...	...	...	65	435	59	8	29	11
7....	0	4	...	...	...	...	60	411	58	9	24	12
8....	0	4	...	...	...	...	45	405	60	8	25	10
9....	0	5	...	...	...	...	37	396	53	6	37	8
10....	0	7	...	...	...	...	36	384	42	6	61	6
11....	0	7	...	...	...	...	47	390	33	8	69	6
12....	0	7	...	...	...	...	82	369	40	11	69	6
13....	0	7	...	...	...	...	144	283	40	11	59	10
14....	0	7	...	...	...	...	219	259	37	14	60	13
15....	0	6	...	...	...	...	294	222	35	14	52	15
16....	0	6	...	...	...	...	396	200	32	14	42	14
17....	0	6	...	...	...	...	475	191	28	14	36	10
18....	0	6	...	...	...	...	539	193	28	8	22	8
19....	2	6	...	...	...	...	472	202	29	8	13	5
20....	2	6	...	...	...	...	456	206	35	6	10	16
21....	2	6	...	...	...	...	501	206	57	4	10	21
22....	2	6	...	...	...	...	432	200	73	2	15	19
23....	2	6	...	...	...	...	277	167	88	2	39	17
24....	2	6	...	...	...	...	182	148	73	2	29	16
25....	2	6	...	...	...	...	138	146	53	2	27	20
26....	2	6	...	...	...	...	136	125	52	2	27	10
27....	2	6	...	...	...	...	162	114	43	2	24	10
28....	2	6	...	...	...	...	193	114	37	4	21	11
29....	2	6	...	...	...	...	280	109	35	6	21	12
30....	2	6	...	...	...	...	330	107	31	3	19	12
31....	2	...	...	...	...	...	...	101	...	2	15	...
Total	26	165	...	...	...	...	6295	7840	1603	299	913	362
Mean	0.84	5.50	...	...	...	...	210	253	53.4	9.65	29.5	12.1
Max...	2	7	...	...	...	...	539	435	109	30	69	21
Min...	0	3	...	...	...	...	36	104	28	2	2	5
Acre-ft.	52	327	...	...	...	...	12500	15600	3180	593	1810	720

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of San Antonio River near Manassa (Mouth) for Year Ending Sept. 30, 1926.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	14	34	....	....	....	....	27	931	517	14	5	0
2....	14	32	....	....	....	43	24	993	520	12	5	0
3....	12	32	....	....	....	....	23	1040	506	12	4	0
4....	12	27	....	....	5	....	22	979	456	14	5	0
5....	13	25	....	....	....	....	23	990	415	14	4	0
6....	14	20	....	....	....	....	25	1140	407	28	4	0
7....	32	20	....	....	....	....	35	1100	412	42	4	0
8....	32	24	....	....	....	....	54	841	404	46	4	0
9....	30	26	....	....	....	....	60	752	368	33	4	0
10....	31	26	....	....	....	....	58	523	360	24	4	0
11....	37	27	....	....	....	....	55	474	373	37	4	0
12....	59	28	....	....	....	....	44	433	358	51	5	0
13....	64	29	....	....	....	....	127	386	383	51	4	0
14....	73	28	....	....	....	....	156	365	358	48	4	0
15....	70	30	....	13	....	....	156	407	312	44	4	0
16....	61	31	....	....	....	....	156	580	286	39	3	0
17....	57	21	....	....	....	....	156	705	269	30	3	0
18....	53	21	....	....	....	....	156	776	254	22	3	0
19....	44	12	11	....	....	....	166	871	240	17	2	0
20....	41	13	....	....	....	....	233	970	200	13	1	0
21....	39	14	....	....	....	....	200	1060	178	11	1	0
22....	33	14	....	....	....	....	315	1040	160	11	1	0
23....	31	14	....	....	....	....	504	909	145	10	1	0
24....	34	12	....	....	....	....	626	826	130	8	1	0
25....	36	12	....	....	....	....	710	798	110	7	1	1
26....	33	12	....	....	....	....	828	718	95	6	1	1
27....	34	12	....	....	....	....	969	623	95	6	1	1
28....	35	12	....	....	....	....	903	532	75	6	1	1
29....	36	12	....	....	....	....	756	489	60	6	1	1
30....	36	12	....	....	....	....	810	498	40	6	1	1
31....	36	....	....	....	....	20	....	526	....	6	0	....
Total	1146	632	....	....	....	....	8377	23276	8486	674	86	6
Mean.	37.0	21.1	12	12	20	32	27.9	751	283	21.7	2.77	0.20
Max..	73	34	....	....	....	....	969	1140	520	51	5	1
Min..	12	12	....	....	....	....	22	365	40	6	0	0
Acre-ft.	2280	1260	738	738	1110	1970	16600	46200	16800	1330	170	12

Discharge of Los Pinos Creek near Ortiz for Year Ending Sept. 30, 1925.**Drainage Area, 167 Square Miles. Altitude, 8,100 Feet Above Sea Level.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	13	24	....	....	....	....	100	464	280	72	52	46
2....	13	29	....	....	....	....	120	464	250	72	88	40
3....	13	29	....	....	....	....	150	558	220	65	106	34
4....	13	24	....	....	....	....	168	578	250	58	80	34
5....	13	24	....	....	....	....	192	598	235	72	72	34
6....	13	20	....	....	....	....	180	558	220	52	80	34
7....	10	13	....	....	....	....	157	558	192	46	80	34
8....	13	20	....	....	....	....	135	558	180	40	106	20
9....	24	20	....	....	....	....	135	539	168	46	88	24
10....	24	20	....	....	....	....	168	482	168	88	157	20
11....	24	20	....	....	....	....	235	464	180	72	115	20
12....	16	20	....	....	....	....	326	446	180	88	97	24
13....	20	20	....	....	....	....	376	446	157	52	80	29
14....	24	20	....	....	....	....	446	428	146	40	80	24
15....	46	20	....	....	....	....	520	410	135	40	65	24
16....	40	20	....	....	....	....	578	393	135	34	65	24
17....	58	20	....	....	....	....	638	393	135	34	58	16
18....	52	20	....	....	....	....	558	428	135	40	52	24
19....	29	20	....	....	....	....	539	446	135	29	52	72
20....	29	20	....	....	....	....	578	446	157	40	52	40
21....	24	20	....	....	....	....	558	428	146	58	88	46
22....	24	20	....	....	....	....	446	376	124	65	80	46
23....	24	20	....	....	....	....	359	376	115	40	52	34
24....	40	20	....	....	....	....	310	359	124	34	58	34
25....	29	20	....	....	....	....	295	342	124	29	52	29
26....	24	20	....	....	....	....	342	326	115	29	58	29
27....	20	20	....	....	....	....	393	310	97	46	46	24
28....	20	20	....	....	....	....	482	280	88	52	46	24
29....	20	20	....	....	....	....	501	280	88	46	46	20
30....	20	20	....	....	....	....	501	280	80	58	46	20
31....	13	....	....	....	....	....	....	280	....	46	46	....
Total	749	623	....	....	....	....	10486	13294	4759	1583	2243	923
Mean.	24.2	20.8	....	....	....	....	350	429	159	51.1	72.4	30.8
Max..	58	29	....	....	....	....	638	598	280	88	157	72
Min..	10	13	....	....	....	....	100	280	80	29	46	16
Acre-ft.	1490	1240	....	....	....	....	20800	26400	9460	3140	4450	1830

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Los Pinos Creek near Ortiz for Year Ending Sept. 30, 1926.
Drainage Area, 167 Square Miles. Altitude, 8,100 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	29	34	....	....	....	....	25	866	708	120	32	14
2....	29	40	....	....	....	....	22	936	686	120	28	14
3....	29	34	....	....	....	....	22	889	642	120	28	17
4....	34	16	....	....	....	....	22	889	600	140	36	17
5....	52	....	....	....	....	....	22	1060	600	174	36	14
6....	115	....	....	....	....	....	24	936	580	140	48	14
7....	80	....	....	....	....	....	40	797	580	102	72	14
8....	52	....	....	....	....	....	60	686	520	79	79	14
9....	40	....	....	....	....	....	60	580	500	72	42	11
10....	60	....	....	....	....	....	54	520	500	60	28	17
11....	115	....	....	....	....	....	52	461	480	79	28	24
12....	80	....	....	....	....	....	50	404	480	94	28	17
13....	72	....	....	....	....	....	120	386	461	86	24	14
14....	72	....	....	....	....	....	160	442	442	72	24	14
15....	65	....	....	....	....	....	165	621	404	72	24	14
16....	58	....	....	....	....	....	170	774	386	60	28	14
17....	58	....	....	....	....	....	174	797	316	54	32	14
18....	52	....	....	....	....	....	199	866	285	48	24	14
19....	52	....	....	....	....	....	255	1010	270	48	20	14
20....	52	....	....	....	....	....	226	1110	240	36	20	14
21....	46	....	....	....	....	....	350	985	186	48	20	14
22....	46	....	....	....	....	....	350	960	174	54	20	14
23....	46	....	....	....	....	....	520	936	174	36	14	14
24....	52	....	....	....	....	....	550	866	174	36	14	14
25....	46	....	....	....	....	....	600	708	162	42	14	14
26....	46	....	....	....	....	....	686	664	140	36	14	14
27....	46	39	....	....	....	....	866	580	162	36	14	20
28....	46	....	....	....	....	....	708	560	174	36	14	20
29....	46	....	....	....	....	....	686	600	151	32	14	17
30....	40	....	....	....	....	....	820	686	130	28	14	14
31....	40	....	....	....	....	....	....	686	....	28	14	....
Total	1682	....	....	....	....	....	8058	23261	11307	2188	847	454
Mean	54.3	30	....	....	....	....	269	750	377	70.6	27.3	15.1
Max.	115	....	....	....	....	....	866	1110	708	174	79	24
Min.	29	....	....	....	....	....	....	386	130	28	14	11
Acre-ft.	3340	1790	....	....	....	....	16000	46100	22400	4340	1680	898

Discharge of Culebra River near Chama for Year Ending Sept. 30, 1925.
Drainage Area, Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	15	11	....	....	....	....	31	44	78	24	55	48
2....	15	11	....	....	....	....	35	44	66	24	48	48
3....	15	11	....	....	....	....	31	44	60	22	102	48
4....	15	11	....	....	....	....	35	49	60	25	80	42
5....	15	11	....	....	....	....	41	51	66	42	126	36
6....	15	13	....	....	....	....	49	54	66	36	91	55
7....	15	13	....	....	....	....	40	51	66	36	80	62
8....	15	13	....	....	....	....	35	66	54	36	102	55
9....	15	13	....	....	....	....	35	66	41	71	80	48
10....	15	13	....	....	....	....	40	72	41	55	114	48
11....	15	15	....	....	....	....	51	72	49	55	114	48
12....	15	15	....	....	....	....	51	78	44	62	102	48
13....	18	15	....	....	....	....	66	78	49	48	91	55
14....	21	15	....	....	....	....	66	85	44	32	71	55
15....	24	13	....	....	....	....	72	78	40	32	71	48
16....	21	15	....	....	....	....	72	78	40	28	62	48
17....	18	15	....	....	....	....	72	78	44	36	55	42
18....	21	15	....	....	....	....	72	92	40	48	48	42
19....	18	15	....	....	....	....	60	100	44	42	42	42
20....	18	13	....	....	....	....	66	108	49	48	42	42
21....	18	13	....	....	....	....	60	108	60	48	42	42
22....	18	15	....	....	....	....	60	100	49	80	32	42
23....	18	15	....	....	....	....	51	92	40	55	36	42
24....	18	15	....	....	....	....	54	92	44	48	42	42
25....	18	15	....	....	....	....	49	92	40	42	42	42
26....	15	18	....	....	....	....	44	85	40	55	62	36
27....	11	15	....	....	....	....	44	78	54	71	55	36
28....	11	15	....	....	....	....	44	78	40	102	55	36
29....	11	15	....	....	....	....	44	78	31	71	48	32
30....	11	15	....	....	....	....	44	78	27	55	36	32
31....	11	....	....	....	....	....	....	78	....	48	55	....
Total	499	417	....	....	....	....	1526	2353	1472	1477	2081	1342
Mean	16.1	13.9	....	....	....	....	50.9	75.9	49.1	47.6	67.1	44.7
Max.	24	18	....	....	....	....	72	108	78	102	126	62
Min.	11	11	....	....	....	....	31	44	27	22	32	32
Acre-ft.	950	827	....	....	....	....	3030	4670	2920	2930	4130	2660

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Culebra River near Chama for Year Ending Sept. 30, 1926.
Drainage Area, Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	32	30	....	....	....	....	....	130	324	130	62	24
2....	28	31	....	....	....	....	....	154	398	138	62	24
3....	32	32	....	....	....	....	....	184	368	130	62	19
4....	32	32	....	....	....	....	....	194	353	122	62	14
5....	32	22	....	....	....	....	....	225	383	122	56	14
6....	36	22	....	....	....	....	....	236	398	138	50	14
7....	32	25	....	....	....	....	....	214	430	130	56	14
8....	28	22	....	....	....	....	....	204	414	122	62	14
9....	28	22	....	....	....	....	....	184	395	122	56	14
10....	28	22	....	....	....	....	....	174	353	114	56	14
11....	32	22	....	....	....	....	....	174	324	130	62	10
12....	32	20	....	....	....	....	....	164	310	130	50	10
13....	32	20	....	....	....	....	....	154	272	130	50	10
14....	28	22	....	....	....	....	....	154	260	130	50	14
15....	32	32	....	....	....	....	....	164	236	138	50	10
16....	32	32	....	....	....	....	....	184	214	130	50	10
17....	32	32	....	....	....	....	....	225	204	122	50	14
18....	30	28	....	....	....	....	....	225	194	106	44	14
19....	29	28	....	....	....	....	....	248	194	106	44	14
20....	27	32	....	....	....	....	....	260	184	92	44	10
21....	25	32	....	....	....	....	....	225	174	86	39	7
22....	25	36	....	....	....	....	....	260	174	86	39	7
23....	22	36	....	....	....	....	68	297	164	86	39	7
24....	28	32	....	....	....	....	80	324	154	86	39	7
25....	25	32	....	....	....	....	86	310	154	92	34	10
26....	25	28	....	....	....	....	106	324	154	92	34	29
27....	25	28	....	....	....	....	99	272	154	80	29	29
28....	26	28	....	....	....	....	86	248	146	74	29	24
29....	27	28	....	....	....	....	86	248	138	68	24	24
30....	28	17	....	....	....	....	106	260	130	68	29	19
31....	29	....	....	....	....	....	....	284	....	68	29	....
Total	899	825	....	....	....	....	....	6903	7753	3368	1442	444
Mean.	29.6	27.5	....	....	....	....	....	223	258	109	46.5	14.8
Max..	36	36	....	....	....	....	....	324	430	138	62	29
Min..	22	17	....	....	....	....	....	150	130	68	24	7
Acre-ft.	1780	1640	....	....	....	....	....	13700	15400	6700	2860	881

Discharge of La Garita Creek near La Garita for Year Ending Sept. 30, 1925.
Drainage Area, 61 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	7	7	....	....	....	....	18	22	18	8	31	31
2....	7	7	....	....	....	....	18	15	17	8	29	31
3....	7	6	....	....	....	....	16	22	16	10	30	31
4....	7	6	....	....	....	....	16	23	15	11	58	30
5....	7	6	....	....	....	....	10	26	16	14	108	29
6....	7	6	....	....	....	....	9	22	16	12	65	27
7....	7	5	....	....	....	....	10	20	13	8	39	25
8....	7	5	....	....	....	....	11	20	14	9	36	25
9....	7	4	....	....	....	....	12	25	12	12	44	22
10....	7	4	....	....	....	....	13	27	12	9	108	20
11....	7	5	....	....	....	....	13	37	12	18	78	20
12....	7	5	....	....	....	....	14	35	13	13	47	17
13....	7	4	....	....	....	....	16	36	12	12	36	17
14....	7	4	....	....	....	....	23	33	11	11	31	17
15....	8	4	....	....	....	....	46	27	11	10	44	17
16....	8	6	....	....	....	....	44	26	10	10	47	17
17....	7	8	....	....	....	....	32	26	11	12	53	18
18....	10	6	....	....	....	....	24	26	11	20	78	16
19....	10	6	....	....	....	....	18	32	10	15	44	17
20....	9	6	....	....	....	....	15	31	9	16	47	16
21....	8	8	....	....	....	....	14	26	10	296	47	14
22....	7	7	....	....	....	....	12	25	10	62	39	14
23....	7	8	....	....	....	....	10	25	10	47	31	15
24....	7	7	....	....	....	....	11	25	9	31	31	15
25....	7	8	....	....	....	....	14	23	10	31	33	15
26....	7	8	....	....	....	....	18	21	9	53	31	14
27....	7	7	....	....	....	....	16	21	8	36	30	13
28....	7	8	....	....	....	....	19	21	10	31	30	12
29....	7	8	....	....	....	....	19	19	8	30	24	12
30....	6	7	....	....	....	....	20	22	8	30	27	12
31....	6	....	....	....	....	....	....	20	....	23	26	....
Total	226	186	....	....	....	....	531	779	351	908	1402	579
Mean.	7.29	6.20	....	....	....	....	17.7	25.1	11.7	29.3	45.2	19.3
Max..	10	8	....	....	....	....	46	37	18	296	108	31
Min..	6	4	....	....	....	....	9	15	8	8	24	12
Acre-ft.	448	369	....	....	....	....	1050	1540	696	1800	2780	1150

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of La Garita Creek near La Garita for Year Ending Sept. 30, 1926.
Drainage Area, 61 Square Miles. Altitude, . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	12	9	.....	.....	.....	.....	6	135	129	7	10	4
2....	12	10	.....	.....	.....	.....	6	148	129	7	10	3
3....	12	9	.....	.....	.....	.....	11	142	122	8	10	3
4....	14	9	.....	.....	5	.....	11	148	112	36	12	3
5....	17	9	.....	.....	.....	.....	12	142	110	42	16	3
6....	20	10	.....	.....	.....	.....	12	135	97	40	12	4
7....	17	10	.....	.....	.....	.....	14	135	93	44	13	3
8....	17	9	.....	5	.....	6	14	123	89	34	12	4
9....	17	9	7	.....	.....	.....	12	122	84	21	13	4
10....	17	9	.....	.....	.....	.....	12	66	82	21	12	3
11....	16	9	.....	.....	.....	.....	14	43	79	17	18	3
12....	16	8	.....	.....	.....	.....	13	37	75	36	28	3
13....	15	7	.....	.....	.....	.....	14	31	55	26	27	3
14....	15	7	.....	.....	.....	.....	12	18	43	20	23	4
15....	14	9	.....	.....	.....	.....	12	50	28	22	20	4
16....	14	7	.....	.....	.....	.....	14	116	26	19	13	4
17....	13	7	.....	.....	.....	.....	14	127	18	20	14	4
18....	13	10	.....	.....	.....	.....	13	129	14	14	8	5
19....	12	10	.....	.....	.....	.....	14	144	14	12	11	4
20....	12	10	.....	.....	.....	.....	18	156	15	13	10	4
21....	12	10	.....	.....	.....	.....	24	174	12	21	8	5
22....	12	10	.....	.....	.....	.....	36	79	12	14	7	4
23....	11	11	.....	.....	.....	.....	58	95	11	14	5	4
24....	10	11	.....	.....	.....	.....	93	142	10	12	5	4
25....	10	10	.....	.....	.....	.....	108	156	9	12	6	4
26....	11	10	.....	.....	.....	.....	102	122	8	12	5	4
27....	11	10	.....	.....	.....	.....	116	133	8	10	4	4
28....	10	10	.....	.....	.....	.....	120	135	7	17	4	4
29....	10	9	.....	.....	.....	.....	135	135	7	12	4	4
30....	10	9	.....	.....	.....	.....	123	152	6	12	4	4
31....	9	.....	.....	.....	.....	.....	.....	152	.....	10	4	.....
Total	411	277	.....	.....	.....	.....	1163	3622	1504	605	348	113
Mean	13.3	9.23	7.2	5.6	5.2	6	38.8	117	50.1	19.5	11.2	3.77
Max.	20	.....	.....	.....	.....	.....	135	174	129	44	28	5
Min.	9	.....	.....	.....	.....	.....	6	18	6	7	4	3
Acres-ft	818	549	443	344	289	369	2310	7190	2980	1200	689	224

Discharge of Carnero Creek near La Garita for Year Ending Sept. 30, 1925.
Drainage Area, 117 Square Miles. Altitude, . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	4	4	.....	.....	.....	7	28	10	15	8	14	17
2....	4	4	.....	.....	.....	7	28	10	15	7	10	17
3....	4	4	.....	.....	.....	7	25	10	15	7	12	17
4....	4	4	.....	.....	.....	7	28	10	16	7	18	17
5....	4	4	.....	.....	.....	7	12	12	12	7	29	17
6....	4	4	.....	.....	.....	8	12	20	10	7	21	17
7....	4	4	.....	.....	.....	8	12	16	10	7	20	16
8....	4	5	.....	.....	.....	8	15	15	10	7	18	15
9....	4	5	.....	.....	.....	10	16	15	10	24	17	15
10....	4	5	.....	.....	.....	10	21	18	9	10	29	15
11....	4	5	.....	.....	.....	12	18	28	9	10	38	15
12....	4	5	.....	.....	.....	16	18	34	9	9	36	15
13....	4	5	.....	.....	.....	16	21	22	8	8	31	13
14....	4	5	.....	.....	.....	14	21	20	8	8	27	13
15....	5	5	.....	.....	.....	12	18	21	8	7	25	12
16....	5	5	.....	.....	.....	13	21	21	8	14	22	12
17....	5	6	.....	.....	.....	15	14	20	7	10	21	12
18....	5	6	.....	.....	.....	14	12	18	7	10	25	12
19....	5	6	.....	.....	.....	16	10	18	10	10	25	12
20....	5	5	.....	.....	.....	15	10	17	8	10	24	10
21....	4	5	.....	.....	.....	15	10	15	7	28	23	10
22....	4	5	.....	.....	.....	27	11	15	7	27	21	10
23....	4	5	.....	.....	.....	27	7	15	7	27	21	10
24....	4	5	.....	.....	.....	27	7	15	7	24	21	10
25....	4	5	.....	.....	.....	29	10	15	7	24	20	10
26....	4	5	.....	.....	.....	35	10	15	6	29	20	10
27....	4	5	.....	.....	.....	27	10	15	6	29	19	10
28....	4	5	.....	.....	.....	28	10	15	6	25	19	10
29....	4	5	.....	.....	.....	27	10	15	6	25	17	10
30....	4	5	.....	.....	.....	32	10	18	6	25	17	10
31....	4	.....	.....	.....	.....	28	.....	15	.....	21	17	.....
Total	130	146	.....	.....	.....	524	455	523	269	471	677	389
Mean	4.19	4.87	.....	.....	.....	16.9	15.2	16.9	8.97	15.2	21.8	13.0
Max.	5	6	.....	.....	.....	35	28	34	16	29	38	17
Min.	4	4	.....	.....	.....	.....	7	10	6	7	10	10
Acres-ft	258	290	.....	.....	.....	1040	905	1040	534	935	1340	774

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Carnero Creek near La Garita for Year Ending Sept. 30, 1926.
Drainage Area, 117 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	10	6	....	....	....	....	8	50	53	19	12	3
2....	10	7	....	....	....	....	10	47	56	18	10	3
3....	10	8	....	....	....	....	13	48	53	20	10	3
4....	10	7	....	....	3	....	20	47	49	20	16	3
5....	10	9	....	....	....	....	22	50	47	22	30	3
6....	12	7	....	....	....	....	24	52	44	34	30	3
7....	10	6	....	....	....	....	25	53	44	30	30	3
8....	10	11	....	4	....	5	26	42	41	28	12	3
9....	10	10	....	....	....	....	19	35	41	25	10	3
10....	10	8	5	....	....	....	16	32	41	24	10	3
11....	10	7	....	....	....	....	21	34	38	22	10	3
12....	11	9	....	....	....	....	20	34	36	24	11	4
13....	12	10	....	....	....	....	17	35	35	28	14	3
14....	9	9	....	....	....	17	21	36	34	25	10	3
15....	8	10	....	....	....	14	28	41	31	22	9	3
16....	7	8	....	....	....	14	44	40	29	20	10	3
17....	9	8	....	....	....	18	38	47	28	18	9	3
18....	11	8	....	....	....	16	34	50	28	16	9	3
19....	8	8	....	....	....	15	41	52	28	18	8	2
20....	10	8	....	....	....	14	41	52	25	16	8	2
21....	7	8	....	....	....	15	32	52	25	21	8	3
22....	9	8	....	....	....	14	30	54	22	18	8	3
23....	12	8	....	....	....	11	44	59	20	16	8	3
24....	11	8	....	....	....	14	53	60	20	14	6	3
25....	9	8	....	....	....	15	61	54	18	16	6	4
26....	9	8	....	....	....	12	70	60	18	16	6	7
27....	7	8	....	....	....	16	70	56	16	17	6	8
28....	9	8	....	....	....	13	41	54	17	18	4	8
29....	9	8	....	....	....	8	47	56	16	16	4	7
30....	12	8	....	....	....	8	53	56	16	12	4	7
31....	8	....	....	....	....	7	....	64	....	12	4	....
Total	999	244	....	....	....	....	989	1502	969	625	332	112
Mean.	2.65	8.13	5	4	4	10	33.0	48.5	32.3	20.2	10.7	3.73
Max..	12	....	....	....	....	....	70	64	56	34	30	8
Min..	7	....	....	....	....	....	8	32	16	12	4	2
Acre-ft.	593	484	307	246	222	615	1960	2980	1920	1240	658	222

Discharge of Saguache Creek Near Saguache for Year Ending Sept. 30, 1925.
Drainage Area, 595 Square Miles. Altitude, 7,800 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	34	....	....	....	....	....	90	100	154	94	70	96
2....	34	....	....	....	....	....	90	96	135	85	68	90
3....	36	....	....	....	....	....	90	98	125	82	70	88
4....	36	....	....	....	....	....	90	104	118	83	90	87
5....	36	....	....	....	....	....	90	110	114	108	116	88
6....	36	....	....	....	....	....	92	123	110	122	100	84
7....	36	....	....	....	....	....	92	116	100	102	86	88
8....	45	....	....	....	....	....	91	112	97	88	82	79
9....	44	....	....	....	....	....	89	113	94	88	94	81
10....	39	....	....	....	....	....	60	126	94	137	145	89
11....	40	....	....	....	....	....	90	164	93	117	137	84
12....	34	....	....	....	....	....	119	151	108	128	131	78
13....	33	....	....	....	....	....	115	125	97	99	110	83
14....	38	....	....	....	....	....	107	115	93	69	92	86
15....	58	....	....	....	....	....	114	114	95	66	81	85
16....	61	....	....	....	....	....	119	111	104	80	74	70
17....	53	....	....	....	....	....	124	109	120	90	73	65
18....	55	....	....	....	....	....	107	108	117	98	73	70
19....	56	....	....	....	....	....	94	132	121	108	94	82
20....	48	29	....	....	....	....	88	152	136	124	104	90
21....	47	....	....	....	....	....	84	165	151	140	109	75
22....	48	....	....	....	....	....	92	168	152	158	101	68
23....	48	....	....	....	....	....	93	137	117	145	90	66
24....	45	....	....	....	....	....	82	147	105	118	99	68
25....	40	....	....	....	....	....	78	157	97	118	120	63
26....	40	....	....	....	....	....	82	149	95	105	119	61
27....	40	....	....	....	....	....	78	149	96	100	115	58
28....	39	....	....	....	....	....	76	149	94	115	109	56
29....	40	....	....	....	....	....	100	146	93	105	102	55
30....	41	....	....	....	....	....	107	162	89	92	105	52
31....	34	....	....	....	....	....	....	168	....	78	102	....
Total	1314	....	....	....	....	....	2823	4076	3314	3242	3061	2285
Mean.	42.4	32	....	....	....	....	94.1	131	110	105	98.7	76.2
Max..	61	....	....	....	....	....	124	168	154	158	145	96
Min..	33	....	....	....	....	....	60	96	89	66	68	52
Acre-ft.	2610	1900	....	....	....	....	5600	8060	6550	6460	6070	4530

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Saguache Creek Near Saguache for Year Ending Sept. 30, 1926.
Drainage Area, 595 Square Miles. Altitude, 7,800 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	58	48	....	Jan.	....	....	60	218	359	133	46	25
2....	58	52	....	....	....	....	60	248	400	169	42	23
3....	58	54	....	....	....	....	60	243	407	140	41	29
4....	60	36	....	....	26	....	60	214	369	125	62	42
5....	62	30	....	....	....	....	61	233	375	147	72	60
6....	84	32	....	....	....	....	64	283	367	156	77	51
7....	83	45	....	....	....	....	76	209	362	165	70	42
8....	70	40	....	24	....	19	89	159	336	166	109	37
9....	67	40	32	....	....	....	79	150	320	132	131	33
10....	66	40	....	....	....	....	71	145	304	106	86	34
11....	67	40	....	....	....	....	66	139	284	101	87	37
12....	68	40	....	....	....	....	69	132	275	122	78	45
13....	66	40	....	....	....	....	73	128	308	140	76	43
14....	74	40	....	....	....	....	74	118	257	108	77	37
15....	74	....	....	....	....	....	80	119	222	96	77	34
16....	73	....	....	....	....	....	112	133	193	90	66	34
17....	74	....	....	....	....	....	154	169	179	76	68	37
18....	69	....	....	....	....	....	131	204	170	67	64	37
19....	67	....	....	....	....	....	123	210	158	64	59	37
20....	64	....	....	....	....	....	134	246	136	54	53	33
21....	64	....	....	....	....	....	113	299	121	77	57	33
22....	62	....	....	....	....	....	108	340	113	72	59	33
23....	66	....	....	....	....	....	155	352	107	74	51	33
24....	68	....	....	....	....	....	192	366	102	69	42	31
25....	61	....	....	....	....	....	238	394	104	73	34	30
26....	64	....	....	....	....	....	281	355	107	73	30	41
27....	62	....	....	....	....	....	311	360	108	62	29	64
28....	63	....	....	....	....	....	240	345	108	68	26	59
29....	64	....	....	....	....	....	265	316	108	64	25	54
30....	61	....	....	....	....	....	268	311	107	59	29	52
31....	58	....	....	....	....	....	....	340	....	54	29	....
Total	2055	....	....	....	....	....	3867	7478	6866	3102	1852	1180
Mean.	66.3	38	30	25	22	30	129	241	229	100	59.7	39.3
Max..	84	....	....	....	....	....	311	394	407	169	131	64
Min..	58	....	....	....	....	....	....	118	102	54	25	23
Acre-ft.	4080	2260	1840	1540	1220	1840	7680	14800	13600	6150	3670	2340

Discharge of Kerber Creek Near Villa Grove for Year Ending Sept. 30, 1925.
Drainage Area, 80 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	16	20	30	10	7	7
2....	16	20	30	10	7	7
3....	16	25	30	10	7	7
4....	16	25	20	10	7	7
5....	16	25	20	10	10	7
6....	16	30	16	10	5	7
7....	13	30	16	10	5	7
8....	13	30	13	7	5	7
9....	13	30	13	7	5	7
10....	13	30	13	7	7	7
11....	20	30	13	7	5	7
12....	20	30	13	7	5	7
13....	20	30	13	7	5	5
14....	20	30	13	7	5	5
15....	25	30	13	7	7	5
16....	25	30	13	7	7	5
17....	20	35	13	7	10	5
18....	20	35	10	7	10	5
19....	16	35	10	7	7	5
20....	16	35	10	7	7	5
21....	13	35	16	7	7	5
22....	13	41	16	7	7	5
23....	20	41	16	7	7	5
24....	20	41	16	7	7	5
25....	20	41	16	7	7	5
26....	20	41	12	7	7	5
27....	20	41	13	7	7	5
28....	20	41	13	7	7	5
29....	20	41	13	7	7	5
30....	20	41	10	7	7	5
31....	35	....	7	7	....
Total	536	1024	464	238	210	174
Mean.	17.9	33.0	15.5	7.68	6.77	5.80
Max..	25	41	30	10	10	7
Min..	13	20	10	7	5	5
Acre-ft.	1070	2030	922	472	416	345

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Kerber Creek Near Villa Grove for Year Ending Sept. 30, 1926.

Day	Drainage Area, 80	Square Miles.	Altitude, Feet Above Sea Level.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	13	55	105	20	6	2
2....	13	55	105	20	6	2
3....	13	55	98	30	6	2
4....	13	62	98	30	6	3
5....	13	62	90	30	6	4
6....	13	62	90	30	6	6
7....	13	55	90	30	8	6
8....	13	47	82	24	6	5
9....	13	47	82	20	6	5
10....	13	41	75	16	6	5
11....	15	41	68	16	6	5
12....	15	35	68	16	6	5
13....	15	35	61	16	6	5
14....	15	35	61	16	5	5
15....	15	34	61	16	5	4
16....	15	35	54	16	5	4
17....	15	43	47	16	5	4
18....	15	60	41	16	5	4
19....	20	69	41	16	4	4
20....	26	87	35	13	5	4
21....	26	112	35	13	5	4
22....	32	120	35	10	5	4
23....	43	128	30	10	5	4
24....	43	128	30	8	5	4
25....	50	120	24	8	4	3
26....	57	105	24	10	4	3
27....	50	98	24	10	4	3
28....	50	82	24	8	3	3
29....	55	75	24	8	3	3
30....	55	82	24	6	3	3
31....	98	.....	6	2	.....
Total	757	2163	1726	504	157	118
Mean...	5	.....	.....	.....	.....	.....	.....	.....	.....	25.2	69.8	57.5	16.3	5.06	3.93
Max....
Min....
Acre-ft.	307	.....	.....	.....	.....	.....	.....	.....	.....	1500	4290	3420	1000	311	234

Discharge of San Luis Creek near Villa Grove for Year Ending Sept. 30, 1925.

Day	Drainage Area, Square Miles.	Altitude, Feet Above Sea Level.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	8	.....	.....	.....	.....	.....	.....	.....	25	6	14	6	7	6
2....	8	.....	.....	.....	.....	.....	.....	.....	24	7	13	6	7	6
3....	8	.....	.....	.....	.....	.....	.....	.....	25	7	12	6	5	6
4....	8	.....	.....	.....	.....	.....	.....	.....	24	9	11	5	18	7
5....	8	.....	.....	.....	.....	.....	.....	.....	25	8	11	5	9	7
6....	8	10	.....	.....	.....	.....	.....	.....	25	9	11	5	8	8
7....	8	10	.....	.....	.....	.....	.....	.....	23	10	11	5	8	8
8....	8	10	.....	.....	.....	.....	.....	.....	23	11	9	5	13	8
9....	8	10	.....	.....	.....	.....	.....	.....	23	13	9	4	8	8
10....	8	10	.....	.....	.....	.....	.....	.....	21	25	9	4	10	8
11....	8	10	.....	.....	.....	.....	.....	.....	19	35	8	4	11	9
12....	8	10	.....	.....	.....	.....	.....	.....	18	33	7	4	23	8
13....	8	10	.....	.....	.....	.....	.....	.....	17	34	6	4	12	8
14....	8	10	.....	.....	.....	.....	.....	.....	20	32	6	4	9	8
15....	8	10	.....	.....	.....	.....	.....	.....	18	28	6	4	9	8
16....	8	10	.....	.....	.....	.....	.....	.....	18	22	6	4	9	8
17....	8	10	.....	.....	.....	.....	.....	.....	18	17	6	4	8	8
18....	8	10	.....	.....	.....	.....	.....	.....	17	12	6	4	8	8
19....	8	10	.....	.....	.....	.....	.....	.....	11	8	6	3	10	8
20....	8	10	.....	.....	.....	.....	.....	.....	7	8	6	7	11	8
21....	9	10	.....	.....	.....	.....	.....	.....	7	8	6	6	11	8
22....	9	10	.....	.....	.....	.....	.....	.....	7	8	6	6	12	8
23....	9	10	.....	.....	.....	.....	.....	.....	7	8	6	6	11	8
24....	9	10	.....	.....	.....	.....	.....	.....	7	10	6	6	10	8
25....	9	10	.....	.....	.....	.....	.....	.....	6	12	6	6	10	8
26....	9	10	.....	.....	.....	.....	.....	.....	6	12	6	6	10	8
27....	9	10	.....	.....	.....	.....	.....	.....	7	12	6	6	10	8
28....	9	10	.....	.....	.....	.....	.....	.....	6	12	6	10	10	8
29....	9	10	.....	.....	.....	.....	.....	.....	7	12	6	8	9	8
30....	9	10	.....	.....	.....	.....	.....	.....	8	14	6	8	9	8
31....	9	.....	.....	.....	.....	.....	.....	.....	.....	14	.....	7	8	.....
Total	259	295	.....	.....	.....	.....	.....	.....	469	456	233	168	313	233
Mean...	8.35	9.83	.....	.....	.....	.....	.....	.....	15.6	14.7	7.77	5.42	10.1	7.77
Max....	9	10	.....	.....	.....	.....	.....	.....	25	35	14	10	23	9
Min....	8	9	.....	.....	.....	.....	.....	.....	6	6	6	3	5	6
Acre-ft.	513	585	.....	.....	.....	.....	.....	.....	928	904	462	333	621	462

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of San Luis Creek near Villa Grove for Year Ending Sept. 30, 1926.
Drainage Area,Square Miles. Altitude,Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	8	5	....	....	....	....	16	38	49	12	12	6
2....	8	5	....	....	....	....	16	41	49	12	12	6
3....	8	5	....	....	....	....	18	45	74	12	11	6
4....	8	5	....	....	....	....	20	49	124	17	14	6
5....	8	5	....	....	....	....	20	49	124	17	13	6
6....	8	5	....	....	....	....	22	49	108	20	16	6
7....	8	5	....	....	....	....	22	49	108	20	15	6
8....	8	7	....	....	....	....	24	49	94	20	15	6
9....	8	6	....	....	....	....	24	49	87	17	14	6
10....	8	6	....	....	....	....	24	49	80	17	17	6
11....	9	5	....	....	....	....	24	41	68	16	14	6
12....	8	6	....	....	....	....	24	41	58	16	14	6
13....	10	5	....	....	....	....	21	38	63	16	14	6
14....	9	6	....	....	....	....	21	34	80	10	14	7
15....	10	6	....	....	....	....	21	34	68	10	13	7
16....	9	6	....	....	....	....	21	34	49	10	8	7
17....	9	5	....	....	....	....	21	41	41	10	8	7
18....	8	5	....	....	....	....	21	41	34	10	8	8
19....	8	5	....	....	....	....	30	49	33	10	8	8
20....	8	5	....	....	....	....	34	49	26	10	8	8
21....	8	5	....	....	....	....	45	49	20	10	8	8
22....	7	5	....	....	....	....	41	58	20	9	8	8
23....	6	5	....	....	....	....	34	68	14	14	8	8
24....	6	5	....	....	....	....	34	68	14	14	8	8
25....	9	5	....	....	....	....	41	80	14	14	7	8
26....	6	5	....	....	....	....	41	80	14	13	7	8
27....	6	5	....	....	....	....	34	116	14	13	7	8
28....	6	5	....	....	....	....	34	140	13	12	7	8
29....	6	5	....	....	....	....	34	132	13	12	7	8
30....	5	5	....	....	....	....	34	94	13	12	7	8
31....	5	....	....	....	....	....	....	49	....	12	7	....
Total	238	158	....	....	....	....	816	1803	1566	417	329	210
Mean	7.68	5.27	....	....	....	....	27.2	58.2	52.2	13.5	10.6	7.00
Max..	10	7	....	....	....	....	45	140	124	20	17	8
Min...	5	5	....	....	....	....	16	34	13	9	7	6
Acre-ft.	472	314	....	....	....	....	1620	3580	3110	830	652	417

Unless otherwise noted, all discharges are in cubic feet per second.

GREEN RIVER DRAINAGE

YAMPA RIVER AT STEAMBOAT SPRINGS

Location—On First Street bridge in Steamboat Springs.

Records Available—May 3, 1904, to October 31, 1906; March 1, 1910, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

YAMPA RIVER NEAR MAYBELL

Location—In Sec. 2, T. 6 N., R. 95 W., three miles east of Maybell.

Records Available—April 24, 1916, to September 30, 1926. From April 17, 1904, to October 31, 1905, and June 12, 1910, to November 30, 1912, a station was maintained nine miles below the present station.

Gage—Automatic recording gage.

Accuracy—Records considered good.

ELK RIVER NEAR TRULL

Location—In Sec. 6, T. 6 N., R. 85 W., on Steamboat Springs-Craig highway.

Records Available—May 2, 1904, to August 16, 1906; May 1, 1910, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

WILLIAMS RIVER NEAR HAMILTON

Location—In Sec. 21, T. 5 N., R. 91 W., on Craig-Meeker highway.

Records Available—April 29, 1904, to October 31, 1906; April 15, 1910, to September 30, 1926.

Gage—Chain gage.

Accuracy—Records considered good.

LITTLE SNAKE RIVER NEAR LILY

Location—In Sec. 20, T. 7 N., R. 98 W., sixteen miles west of Sunbeam and six miles above mouth.

Records Available—May 1, 1922, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

WHITE RIVER NEAR MEEKER

Location—In Sec. 30, T. 1 N., R. 93 W., three and one-half miles east of Meeker.

Records Available—May 7, 1910, to September 30, 1926. From April 12, 1904, to October 31, 1906, a station was maintained two and one-half miles below the present station.

Gage—Automatic recording gage.

Accuracy—Records considered good.

WHITE RIVER NEAR WATSON, UTAH

Location—In Sec. 1, T. 1 S., R. 105 W., at bridge on Vernal-Dragon highway.

Records Available—April 1 to October 31, 1906; April 1, 1923, to September 30, 1926; at Rangely, twenty miles above this station, April 15, 1904, to October 31, 1905, and May 20 to November 23, 1918.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

Discharge of Yampa River at Steamboat Springs for Year Ending Sept. 30, 1925.
Drainage Area, 500 Square Miles. Altitude, 6,680 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	154	160	148	....	....	....	641	1030	1940	360	130	154
2....	158	167	148	....	....	....	460	1190	1600	355	130	154
3....	164	174	150	....	....	....	425	1320	1320	380	130	192
4....	150	174	150	....	98	....	670	1320	1190	370	134	324
5....	144	176	150	....	....	....	990	1460	1460	529	136	298
6....	158	170	150	124	....	....	950	1500	1320	481	134	215
7....	164	154	....	....	....	145	670	1550	1280	341	134	198
8....	231	170	....	....	....	....	670	1840	1320	306	130	176
9....	210	180	....	....	....	....	768	1690	1320	210	126	162
10....	190	176	....	....	....	....	912	1600	1370	210	122	150
11....	190	168	....	....	....	....	1110	1640	1320	239	126	146
12....	170	162	....	....	....	....	1280	1640	1190	206	150	144
13....	160	156	....	....	....	....	1280	1690	1030	182	166	144
14....	146	150	....	....	....	....	1190	1740	1190	162	136	144
15....	182	144	....	....	....	....	1280	1640	1280	160	124	144
16....	204	150	....	....	....	....	1280	1550	1240	160	124	142
17....	210	150	....	....	....	....	1320	1500	1110	158	124	142
18....	252	154	....	....	....	....	1370	1740	1110	165	126	144
19....	242	150	....	....	....	....	1030	1890	990	172	144	196
20....	218	156	....	....	....	....	912	2040	912	179	162	182
21....	204	160	....	....	....	....	874	2240	950	186	180	152
22....	200	162	....	....	....	....	874	2250	897	223	164	146
23....	194	158	....	....	....	186	838	2260	833	236	154	146
24....	186	156	....	....	....	210	802	2270	769	198	164	154
25....	182	156	....	....	....	255	670	2280	705	176	176	154
26....	176	154	....	....	....	315	702	2290	641	170	236	140
27....	174	154	....	....	....	350	768	2300	577	170	202	140
28....	170	150	....	....	....	370	768	2400	513	168	328	140
29....	172	146	....	....	....	450	838	2400	449	168	206	140
30....	162	146	....	....	....	641	950	2400	375	130	182	140
31....	166	....	....	....	....	612	....	2190	....	132	162	....
Total	5683	4783	....	....	....	....	27302	56850	32201	7282	4842	5003
Mean.	183	159	132	130	122	220	910	1830	1070	235	156	167
Max..	252	180	....	....	....	....	1370	2400	1940	529	328	324
Min..	144	144	....	....	....	....	425	1030	375	130	122	140
Acre-ft.	11300	9460	8120	7990	6780	13500	54100	113000	63700	14400	9590	9940

Discharge of Yampa River at Steamboat Springs for Year Ending Sept. 30, 1926.
Drainage Area, 500 Square Miles. Altitude, 6,680 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	141	192	148	....	....	120	194	1700	3490	276	246	69
2....	141	194	150	....	....	120	189	1860	3350	269	252	73
3....	141	192	148	....	....	120	189	2020	3280	256	262	87
4....	141	184	152	....	....	120	222	2190	3010	246	269	92
5....	406	181	152	139	....	120	298	2250	2940	338	280	120
6....	382	171	152	....	....	160	382	2250	2940	406	291	110
7....	246	164	152	....	....	160	630	1860	2820	662	298	101
8....	194	159	152	....	....	160	802	1600	2490	880	306	106
9....	192	159	150	....	....	160	880	1400	2130	568	318	112
10....	197	157	150	....	....	160	1040	1220	2020	411	269	118
11....	240	162	150	....	....	180	1080	1080	1750	382	208	124
12....	230	157	150	....	....	180	1000	960	1550	347	181	130
13....	202	157	150	....	....	180	960	880	1600	291	164	137
14....	184	152	150	....	....	180	841	1160	1500	262	157	143
15....	174	152	150	....	....	180	802	1440	1260	230	150	152
16....	167	150	130	....	....	220	960	1720	1040	208	143	141
17....	171	148	130	....	....	240	1130	2000	920	189	137	130
18....	171	148	130	....	....	219	1220	2280	802	176	134	120
19....	181	148	130	....	....	246	1220	2560	696	164	134	110
20....	176	164	130	....	....	280	1180	2820	568	144	130	101
21....	176	150	140	....	....	298	1260	3210	511	167	114	92
22....	181	152	140	....	118	302	1360	3280	461	176	101	84
23....	181	148	140	....	....	338	1550	3350	411	181	97	76
24....	176	148	140	....	....	466	1260	3630	382	189	86	78
25....	181	152	145	....	....	411	1180	3700	338	194	84	84
26....	181	148	145	....	....	382	1260	3490	318	202	79	92
27....	176	143	145	....	....	351	1360	3080	306	208	78	97
28....	179	145	140	....	....	320	1450	3700	298	216	78	101
29....	208	145	140	....	....	289	1600	3840	291	222	76	103
30....	205	148	140	....	....	258	1750	3490	284	230	68	110
31....	197	....	140	....	....	227	....	3490	....	236	66	....
Total	6118	4770	4461	....	....	7147	29249	73510	43756	8926	5256	3193
Mean.	197	159	144	130	125	231	975	2370	1460	288	170	106
Max..	406	194	152	....	....	466	1750	3840	3490	880	318	152
Min..	141	143	....	....	....	....	189	880	284	144	66	69
Acre-ft.	12100	9460	8850	7990	6940	14200	58000	146000	86900	17700	10500	6310

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Yampa River Near Maybell for Year Ending Sept. 30, 1925.
Drainage Area, 3,670 Square Miles. Altitude, 5,900 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	284	411	398	.....	.....	.....	1880	3700	4580	1950	435	497
2....	291	384	402	.....	.....	.....	2090	4120	4360	1950	424	446
3....	313	411	393	.....	.....	.....	1680	4570	4140	2020	415	415
4....	317	424	411	.....	.....	.....	1620	5110	3920	1880	406	424
5....	313	435	411	.....	.....	.....	2470	4840	3700	2020	384	557
6....	313	446	389	.....	.....	.....	3190	5020	3860	1950	389	730
7....	317	440	389	.....	.....	.....	3190	5200	3860	2090	402	683
8....	321	429	389	322	.....	.....	2310	5380	3700	1750	393	557
9....	325	376	.....	.....	.....	.....	2160	5740	3610	1490	380	491
10....	368	372	.....	.....	284	.....	2240	5830	3440	1300	368	456
11....	504	424	.....	.....	.....	.....	2710	5380	3270	1180	364	435
12....	497	424	.....	.....	.....	.....	3270	5290	3700	1130	372	411
13....	456	389	.....	.....	.....	.....	3860	5110	3360	1080	393	402
14....	446	415	.....	.....	.....	.....	4210	5020	2950	1080	435	402
15....	411	435	.....	.....	.....	.....	4210	5380	2950	965	467	398
16....	389	411	368	.....	.....	.....	4660	5470	3440	811	435	473
17....	398	389	.....	.....	.....	.....	4840	5200	3860	730	406	484
18....	424	384	.....	.....	.....	.....	4930	4660	3780	675	376	462
19....	462	389	.....	.....	.....	.....	5110	4750	3520	641	368	510
20....	467	402	.....	.....	.....	.....	3950	5200	3610	641	360	601
21....	542	411	.....	.....	.....	.....	3440	5470	3610	624	364	1080
22....	536	406	.....	.....	.....	.....	4930	5920	3700	641	415	888
23....	579	406	.....	.....	.....	.....	3440	6460	4300	683	440	700
24....	516	398	.....	.....	.....	.....	2950	6280	4300	720	424	601
25....	467	376	.....	.....	.....	.....	2550	6010	3610	720	402	564
26....	424	372	.....	.....	.....	.....	2310	5920	2790	641	393	542
27....	435	406	.....	.....	.....	910	2390	5680	2630	579	424	510
28....	402	406	.....	.....	.....	1080	2790	5460	2390	523	484	478
29....	411	420	.....	.....	.....	1680	3190	5240	2160	491	473	451
30....	435	406	.....	.....	.....	2550	3270	5020	2020	473	594	435
31....	420	.....	.....	.....	.....	2310	.....	4800	.....	451	542	.....
Total	12783	12197	.....	.....	.....	.....	95840	163230	105120	33879	12927	16083
Mean.	412	407	360	300	320	680	3190	5270	3500	1090	417	536
Max.	579	446	.....	.....	.....	.....	5110	6460	4580	2090	594	1080
Min.	284	372	.....	.....	.....	.....	1620	3700	2020	451	360	398
Acre-ft.	25300	24200	22100	18400	17800	41800	190000	324000	208000	67000	25600	31900

Discharge of Yampa River Near Maybell for Year Ending Sept. 30, 1926.
Drainage Area, 3,670 Square Miles. Altitude, 5,900 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	380	471	380	.....	.....	400	618	6640	7300	1180	426	270
2....	370	450	402	.....	.....	400	576	6910	7300	1120	380	258
3....	355	464	420	.....	.....	400	560	7300	7400	1240	355	251
4....	350	499	370	.....	.....	400	584	7680	7210	1120	340	248
5....	365	471	340	.....	.....	400	1010	7970	6460	1180	328	240
6....	420	414	402	393	.....	500	1300	8060	6550	1240	316	237
7....	1069	350	485	.....	.....	500	1750	8350	6550	1300	320	237
8....	1120	420	520	.....	.....	500	3610	7020	6910	1560	365	237
9....	740	492	380	.....	.....	500	4390	7970	6280	2090	355	226
10....	600	390	390	.....	.....	500	3270	5560	5740	2310	355	219
11....	560	420	375	.....	.....	525	3110	4840	5290	1680	450	219
12....	584	380	402	.....	.....	550	3190	4300	5200	1420	576	226
13....	710	380	432	.....	.....	575	2950	3860	4840	1180	576	226
14....	720	360	365	.....	.....	600	2950	3520	4300	1060	552	219
15....	663	375	355	.....	.....	650	2790	3270	4300	1010	464	212
16....	568	324	402	.....	.....	700	2950	3440	3950	878	414	216
17....	528	340	405	.....	.....	750	3360	4210	3610	790	390	202
18....	499	350	405	.....	.....	875	3950	5020	3030	720	370	202
19....	485	350	405	.....	.....	950	4390	5380	2710	645	365	199
20....	492	324	405	.....	.....	1200	4930	5470	2550	584	345	192
21....	485	312	400	.....	.....	1600	5290	5920	2390	536	340	192
22....	492	324	400	.....	.....	1800	5830	6730	2090	499	332	192
23....	471	320	400	.....	.....	1880	6460	7500	1880	471	328	189
24....	485	375	400	.....	362	2310	6730	7680	1880	450	320	206
25....	485	420	400	.....	.....	1950	5920	8160	1620	432	320	233
26....	478	450	395	.....	.....	1490	5740	8260	1620	408	308	248
27....	450	432	395	.....	.....	1120	6010	7970	1560	396	300	248
28....	444	370	395	.....	.....	1120	6370	7210	1490	390	292	255
29....	444	390	395	.....	.....	856	6640	8350	1360	380	287	262
30....	450	350	395	.....	.....	672	7020	5820	4300	370	285	255
31....	492	.....	395	.....	.....	618	.....	7680	.....	396	277	.....
Total	16745	11767	12410	.....	.....	27294	114248	198050	124670	29035	11431	6816
Mean.	540	392	400	385	370	880	3810	6390	4160	937	369	227
Max.	1120	499	520	.....	.....	2310	7020	8350	7400	2310	576	270
Min.	350	312	340	.....	.....	.....	560	3270	1300	370	277	189
Acre-ft.	33200	23300	24600	23700	20500	54100	227000	393000	248000	57600	22700	22700

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Elk River at Trull for Year Ending Sept. 30, 1925.
Drainage Area, 415 Square Miles. Altitude, 6,650 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	86	120	....	....	....	....	500	1340	2100	1120	81	75
2....	89	112	....	....	....	....	350	1490	1870	1160	80	74
3....	94	107	....	....	....	....	330	1650	1760	1040	83	94
4....	94	107	....	....	....	....	518	1540	1650	1160	101	154
5....	94	108	....	....	....	....	724	1600	1600	1080	86	186
6....	94	112	....	....	....	....	630	1600	1440	1000	80	124
7....	105	98	....	....	....	....	518	1540	1340	790	72	98
8....	143	98	....	....	....	....	518	1810	1290	692	62	89
9....	186	101	....	....	....	....	518	1870	1120	600	54	89
10....	162	122	....	....	....	....	600	1700	1200	518	53	75
11....	150	105	....	....	....	....	790	1700	1490	518	65	68
12....	136	124	....	....	....	....	1040	1700	1390	600	110	63
13....	120	132	....	....	....	....	1160	1650	1120	492	105	64
14....	124	132	....	....	....	....	1160	1760	1160	422	80	132
15....	136	128	....	....	....	....	1390	1760	1490	379	65	128
16....	159	130	....	....	....	....	1490	1440	1870	358	54	101
17....	147	128	....	....	....	....	1540	1340	1810	338	52	81
18....	164	118	....	....	....	137	1650	1490	1650	326	47	74
19....	180	132	....	....	....	....	1120	1870	1870	310	54	262
20....	164	134	....	....	....	....	1000	1980	1870	314	116	572
21....	152	118	....	....	....	....	964	2340	2040	330	84	303
22....	150	126	93	....	....	....	1120	2400	2340	371	68	227
23....	145	114	....	....	....	....	893	1920	2220	358	62	186
24....	139	108	....	....	....	....	757	2040	1870	234	64	164
25....	130	108	....	....	....	....	692	2100	1700	170	70	143
26....	124	108	....	....	116	....	757	2160	1600	126	71	128
27....	124	108	....	108	....	....	893	2040	1390	96	67	116
28....	122	108	....	....	....	....	1000	2280	1200	91	143	105
29....	122	108	....	....	....	....	1040	2400	1200	88	139	94
30....	122	108	....	....	....	....	1160	2470	1120	89	120	81
31....	122	....	....	....	....	....	....	2470	....	88	91	....
Total	4079	2462	....	....	....	....	26822	57450	47770	15258	2479	4150
Mean.	132	115	103	102	110	160	894	1850	1590	492	80.0	138
Max..	186	134	....	....	....	....	1650	2470	2340	160	143	572
Min..	86	98	....	....	....	....	....	1340	1120	88	47	63
Acre-ft.	8120	6840	6330	6270	6110	9840	53200	114000	94600	30300	4920	8210

Discharge of Elk River at Trull for Year Ending Sept. 30, 1926.
Drainage Area, 415 Square Miles. Altitude, 6,650 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	74	86	....	....	....	....	155	2280	2810	1000	147	78
2....	71	94	....	....	....	....	150	2280	2880	824	147	77
3....	67	94	....	....	....	....	150	2160	2740	724	143	78
4....	63	88	....	....	....	....	164	2040	2740	692	146	92
5....	103	71	....	....	....	....	198	1920	2600	757	139	91
6....	724	71	....	....	....	....	257	1800	2950	824	136	85
7....	288	83	....	....	....	....	444	1680	3100	893	142	85
8....	204	81	....	....	....	....	544	1560	2810	928	153	94
9....	183	86	....	....	....	....	468	1440	2670	600	172	93
10....	172	86	....	....	....	....	492	1290	2340	518	167	85
11....	204	98	....	....	....	....	492	1200	2470	400	154	82
12....	210	86	....	....	....	....	492	1000	2340	380	140	83
13....	195	86	....	....	....	....	492	893	1920	360	139	90
14....	167	89	....	....	....	....	468	824	2100	324	136	93
15....	150	83	....	....	....	....	518	928	1980	286	123	100
16....	136	81	....	....	....	....	630	1080	1810	259	118	95
17....	134	83	....	....	....	....	790	1390	1390	238	114	93
18....	136	81	....	....	....	....	1000	1700	1390	218	110	93
19....	136	78	....	....	....	....	1200	1810	1390	208	107	90
20....	139	78	....	....	....	....	1490	1810	1340	204	108	83
21....	130	78	....	....	....	....	1810	1980	1080	202	106	80
22....	132	78	....	....	....	....	2040	2470	1040	189	100	74
23....	130	78	....	....	....	....	2100	2670	1040	175	95	72
24....	128	78	....	....	....	....	1700	2880	1040	170	92	72
25....	118	78	....	....	....	....	1650	2830	1120	156	90	74
26....	115	78	....	....	....	....	1810	2780	1120	147	87	76
27....	111	78	....	....	....	....	1980	2720	1000	147	86	77
28....	108	78	....	....	....	....	2100	2660	964	170	84	80
29....	105	78	....	....	....	....	2160	2600	928	193	83	80
30....	102	78	....	....	....	....	2280	2540	858	164	82	82
31....	99	....	....	....	....	....	....	2600	....	150	80	....
Total	4834	2463	....	....	....	....	30224	59815	55960	12500	3726	2527
Mean.	156	82.1	....	....	....	....	1010	1930	1870	403	120	84.2
Max..	724	98	....	....	....	....	2280	2880	3100	1000	172	100
Min..	63	71	....	....	....	....	150	824	858	147	80	72
Acre-ft.	9590	4890	....	....	....	....	60100	119000	111000	24800	7380	5010

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Williams River at Hamilton for Year Ending Sept. 30, 1925.
Drainage Area, 341 Square Miles. Altitude, 6,400 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	48	82	.....	.....	.....	.....	166	782	670	320	72	72
2....	48	82	.....	.....	.....	.....	132	840	586	310	72	70
3....	64	82	.....	.....	.....	.....	145	975	494	271	68	77
4....	64	82	.....	.....	.....	.....	173	825	494	310	68	187
5....	64	82	.....	.....	.....	.....	226	930	458	364	64	138
6....	64	87	.....	.....	.....	.....	235	945	458	290	62	108
7....	64	56	.....	.....	.....	.....	226	1020	422	235	62	92
8....	126	64	.....	.....	.....	.....	202	1080	398	218	64	87
9....	102	72	.....	.....	.....	.....	180	960	364	187	64	77
10....	92	.....	.....	.....	.....	.....	235	915	410	173	64	77
11....	87	.....	.....	.....	.....	.....	310	825	482	173	92	72
12....	82	.....	.....	.....	.....	.....	434	810	398	173	92	72
13....	82	.....	.....	.....	.....	.....	518	810	342	159	87	77
14....	82	.....	.....	.....	.....	.....	572	855	364	138	82	82
15....	82	.....	.....	.....	.....	.....	614	840	410	120	77	72
16....	82	.....	.....	.....	.....	.....	712	740	494	114	77	72
17....	77	.....	.....	.....	.....	.....	754	840	458	114	68	64
18....	72	.....	.....	.....	.....	.....	870	855	458	108	60	64
19....	72	.....	.....	.....	.....	.....	586	900	458	114	60	138
20....	72	.....	.....	.....	.....	.....	518	840	446	126	82	114
21....	68	.....	.....	.....	.....	.....	518	915	482	120	92	92
22....	68	.....	.....	.....	.....	.....	97	572	915	586	126	82
23....	64	.....	.....	.....	.....	.....	108	482	855	544	120	70
24....	64	.....	.....	.....	.....	.....	152	422	754	446	97	82
25....	82	.....	.....	.....	.....	.....	132	458	726	364	92	82
26....	82	.....	.....	.....	.....	.....	166	482	740	320	92	87
27....	72	.....	.....	.....	.....	.....	159	544	740	290	82	92
28....	72	.....	.....	.....	.....	.....	173	614	754	244	82	82
29....	72	.....	.....	.....	.....	.....	173	684	754	244	82	82
30....	64	.....	.....	.....	.....	.....	173	754	768	290	72	77
31....	64	.....	.....	.....	.....	.....	166	840	.....	72	77	.....
Total	2298	.....	.....	.....	.....	.....	13338	26348	12874	5054	2342	2570
Mean	74.1	66	.....	.....	.....	.....	98	445	850	429	163	75.5
Max.	126	.....	.....	.....	.....	.....	173	870	1080	670	364	92
Min.	48	.....	.....	.....	.....	.....	.....	132	726	244	72	60
Acre-ft.	4560	3930	.....	.....	.....	.....	6030	26500	52300	25500	10000	4640

Discharge of Williams River at Hamilton for Year Ending Sept. 30, 1926.
Drainage Area, 341 Square Miles. Altitude, 6,400 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	52	72	.....	.....	.....	50	72	960	1040	178	75	44
2....	52	72	.....	.....	.....	50	77	1080	1020	162	78	44
3....	52	67	.....	.....	.....	50	77	1190	990	162	81	44
4....	52	67	.....	.....	.....	50	80	1240	990	162	84	44
5....	52	67	.....	.....	.....	50	80	1220	930	162	87	44
6....	300	64	.....	.....	.....	55	84	1320	930	210	90	44
7....	98	57	.....	.....	.....	55	130	945	960	310	94	44
8....	87	57	.....	.....	.....	55	178	754	825	310	98	44
9....	72	57	.....	.....	.....	60	162	698	740	310	92	44
10....	87	57	.....	.....	.....	60	170	586	698	271	92	44
11....	82	57	.....	.....	.....	60	186	506	670	244	82	44
12....	82	57	.....	.....	.....	65	186	482	642	218	77	42
13....	77	57	.....	.....	.....	65	186	458	572	194	72	42
14....	72	57	.....	.....	.....	72	202	434	506	170	67	42
15....	72	57	.....	.....	.....	77	202	506	482	154	62	42
16....	67	57	.....	.....	.....	77	290	586	470	138	62	42
17....	67	57	.....	.....	.....	82	331	768	398	123	62	42
18....	67	57	.....	.....	.....	87	364	796	386	110	52	42
19....	67	57	.....	.....	.....	98	375	870	353	98	52	40
20....	67	57	.....	.....	.....	98	386	1080	310	87	52	40
21....	67	57	.....	.....	.....	98	558	1110	262	82	52	40
22....	72	57	.....	.....	.....	92	614	1190	253	82	52	40
23....	70	57	.....	.....	.....	87	870	1110	244	82	48	40
24....	67	57	.....	.....	.....	87	642	1170	244	82	48	40
25....	62	57	.....	.....	.....	82	586	1110	235	82	48	40
26....	67	57	.....	.....	.....	72	684	1020	226	82	48	36
27....	62	57	.....	.....	.....	72	855	855	218	87	48	36
28....	62	57	.....	.....	.....	77	885	1270	210	104	48	36
29....	67	57	.....	.....	.....	67	960	1140	194	110	44	36
30....	67	57	.....	.....	.....	72	1080	960	178	77	44	36
31....	67	.....	.....	.....	.....	72	.....	990	.....	72	44	.....
Total	2354	1777	.....	.....	.....	2194	11552	28404	16176	4715	2035	1238
Mean	75.9	59.2	.....	.....	.....	70.8	385	916	539	152	65.6	41.3
Max.	300	72	.....	.....	.....	98	1080	1320	1040	310	98	44
Min.	52	.....	.....	.....	.....	.....	72	434	178	72	44	36
Acre-ft.	4670	3520	.....	.....	.....	4350	22900	56300	32100	9350	4030	2460

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Little Snake River at Lily Park for Year Ending Sept. 30, 1925.
Drainage Area, 3730 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	24	122	....	....	....	....	1560	1390	2260	636	316	184
2....	24	118	....	....	....	....	1650	1350	1750	636	350	143
3....	24	93	....	....	....	....	1850	1520	1650	636	316	121
4....	24	79	....	....	....	....	2150	1690	1390	608	268	170
5....	24	103	....	....	....	....	2260	1860	1700	692	284	184
6....	24	103	....	....	....	....	2150	2030	1390	664	300	184
7....	24	....	....	....	....	....	2260	2200	1560	636	284	198
8....	24	....	....	....	....	....	2150	2370	1850	580	284	213
9....	24	....	....	....	....	....	2130	2260	1750	580	284	228
10....	24	....	....	....	....	....	2110	2760	1750	501	268	192
11....	46	....	....	....	....	....	2090	2480	1310	430	252	181
12....	35	....	....	....	....	....	2080	2540	1150	388	222	151
13....	24	....	....	....	....	....	2060	2320	1120	388	207	141
14....	24	....	....	....	....	....	2050	2150	1090	350	164	138
15....	24	....	....	....	....	....	2030	2150	1060	333	192	138
16....	24	....	....	....	....	....	2020	2480	1030	343	207	154
17....	68	....	....	....	....	....	2000	2880	996	252	222	198
18....	68	....	....	....	....	....	2050	2260	965	222	192	138
19....	72	....	....	....	....	....	2320	2050	934	207	316	136
20....	79	....	....	....	....	....	1950	2000	1000	207	1070	350
21....	86	....	....	....	....	....	1520	1950	1070	252	870	369
22....	98	....	....	....	....	....	1390	2150	934	252	388	636
23....	103	....	....	....	....	....	1430	1950	1000	252	138	721
24....	103	....	....	....	....	....	1560	1850	1150	268	114	476
25....	103	....	....	....	....	....	1390	1850	1070	369	92	284
26....	103	....	....	....	....	....	1150	1750	808	388	81	119
27....	103	....	....	....	....	....	1040	1950	692	350	92	64
28....	108	....	....	....	....	....	968	1950	750	388	103	54
29....	111	....	....	....	....	....	1040	1850	692	350	114	37
30....	130	....	....	....	....	....	1270	1850	636	369	198	23
31....	124	....	....	....	....	....	....	2370	....	350	170	....
Total	1876	....	....	....	....	....	53678	64210	36507	12887	8358	6395
Mean.	60.5	....	....	....	....	....	1790	2070	1220	416	270	211
Max..	130	....	....	....	....	....	2320	2880	2260	692	1070	721
Min...	24	....	....	....	....	....	968	1350	636	207	81	23
Acre-ft.	3720	....	....	....	....	....	107000	127000	72600	25600	16600	12600

Discharge of Little Snake River at Lily Park for Year Ending Sept. 30, 1926.
Drainage Area, 3730 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	23	....	....	....	....	....	820	3340	4420	263	33	16
2....	25	....	....	....	....	....	820	3470	4560	216	30	13
3....	26	....	....	....	....	....	790	3860	4420	270	22	12
4....	30	....	....	....	....	....	730	4000	4210	350	18	12
5....	91	....	....	....	....	....	1530	4280	4000	330	18	18
6....	210	....	....	....	....	....	1620	4490	3210	310	16	28
7....	1210	....	....	....	....	....	1290	4560	2140	370	24	33
8....	700	....	....	....	....	....	2610	3860	2200	290	16	62
9....	450	....	....	....	....	....	2730	4210	1980	450	20	69
10....	398	....	....	....	....	....	1530	3340	1870	520	20	350
11....	418	....	....	....	....	....	1450	2730	1670	310	44	136
12....	450	....	....	....	....	....	1450	2430	1530	234	64	160
13....	670	....	....	....	....	....	1370	2200	1450	191	69	116
14....	418	....	....	....	....	....	1370	1920	1370	167	71	71
15....	378	....	....	....	....	....	1290	1720	1250	156	50	74
16....	378	....	....	....	....	....	1370	1620	1330	136	37	82
17....	378	....	....	....	....	....	1530	1720	1130	126	30	132
18....	378	....	....	....	....	....	1820	1920	1050	104	25	160
19....	378	....	....	....	....	....	2080	2370	970	87	28	69
20....	378	....	....	....	....	....	2430	2730	890	71	20	74
21....	398	....	....	....	....	....	2490	2850	910	64	18	78
22....	418	....	....	....	....	....	2610	3470	730	52	28	82
23....	398	....	....	....	....	....	1130	3730	3660	700	49	16
24....	398	....	....	....	....	....	1100	4560	3660	645	44	13
25....	378	....	....	....	....	....	1060	3210	3860	595	41	13
26....	430	....	....	....	....	....	990	2790	4070	545	30	15
27....	450	....	....	....	....	....	885	3090	3860	520	30	13
28....	398	....	....	....	....	....	820	3280	8950	495	29	16
29....	418	....	....	....	....	....	820	3340	5330	382	24	15
30....	430	....	....	....	....	....	820	3380	5670	278	30	15
31....	430	....	....	....	....	....	790	....	4350	....	30	12
Total	11933	....	....	....	....	....	63110	110500	51450	5374	829	2905
Mean.	385	....	....	....	....	....	2100	3560	1720	173	26.7	96.8
Max..	1210	....	....	....	....	....	4560	8950	4560	520	71	350
Min...	23	....	....	....	....	....	730	1620	278	24	12	12
Acre-ft.	23700	....	....	....	....	....	125000	219000	102000	10600	1640	5760

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of White River at Meeker for Year Ending Sept. 30, 1925.
Drainage Area, 634 Square Miles. Altitude, 6,182 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	352	397	....	....	....	....	....	1320	2040	1040	355	506
2....	350	397	....	....	....	....	....	1380	1740	1040	363	554
3....	345	397	....	....	....	....	....	1500	1560	1040	368	678
4....	342	368	....	....	....	....	....	1380	1500	1040	374	820
5....	345	387	....	....	....	....	....	1560	1380	1260	371	820
6....	342	408	....	....	....	....	....	1680	1320	1150	368	678
7....	342	400	....	....	....	....	....	1740	1320	926	355	554
8....	463	387	....	....	....	....	....	1800	1260	872	363	512
9....	408	390	....	....	....	....	....	1680	1150	795	374	484
10....	374	408	....	....	....	....	....	1560	1150	754	374	468
11....	371	408	....	....	....	....	....	1620	1380	812	384	468
12....	365	408	....	....	....	....	....	1500	1380	820	425	458
13....	352	405	....	....	....	....	....	1440	1260	770	442	463
14....	345	402	....	....	....	....	....	1500	1320	739	408	468
15....	352	399	....	....	....	....	....	1440	1500	731	394	473
16....	352	396	....	....	....	....	....	1260	1740	649	394	452
17....	352	393	....	....	....	....	....	1200	1740	524	390	442
18....	368	390	....	....	....	....	....	1380	1680	512	400	442
19....	374	387	....	....	....	....	....	1560	1740	506	421	536
20....	378	384	....	....	....	....	....	1560	1860	484	425	561
21....	394	400	....	....	....	....	854	1620	2220	489	421	452
22....	390	425	....	....	....	....	944	1620	2280	512	421	442
23....	384	429	....	....	....	....	837	1620	2040	494	421	442
24....	378	400	....	....	....	....	770	1740	1800	378	442	447
25....	378	374	....	....	....	....	739	1680	1560	363	484	442
26....	374	368	....	....	....	....	812	1740	1440	368	425	452
27....	368	365	....	....	....	....	917	1800	1380	368	442	429
28....	371	365	....	....	....	....	944	1740	1200	371	634	442
29....	374	365	....	....	....	....	993	1860	1100	365	620	442
30....	387	365	....	....	....	....	1200	1980	1040	363	634	442
31....	387	....	....	....	....	....	....	2220	....	363	524	....
Total	11457	11767	....	....	....	....	....	49680	46080	20898	13216	15268
Mean..	370	392	....	....	....	....	....	1600	1540	674	426	509
Max..	463	429	....	....	....	....	....	2220	2280	1260	634	820
Min..	342	365	....	....	....	....	....	1200	1040	363	355	429
Acre-ft.	22800	23300	....	....	....	....	....	98400	91600	41400	26200	30300

Discharge of White River at Meeker for Year Ending Sept. 30, 1926.
Drainage Area, 634 Square Miles. Altitude, 6,182 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	442	374	368	....	....	....	370	1560	2280	926	480	378
2....	442	394	....	....	....	....	380	1740	2280	872	478	384
3....	429	397	....	....	....	....	390	1860	2470	881	476	400
4....	442	394	....	....	....	....	395	2100	2600	993	474	413
5....	442	371	....	....	....	....	395	2100	2730	993	472	400
6....	442	355	....	....	....	....	400	2100	2730	1100	470	394
7....	442	355	....	....	....	....	400	1740	2860	1320	468	400
8....	425	363	....	....	....	....	420	1560	2660	1200	494	400
9....	408	371	....	....	....	....	420	1380	2600	993	524	387
10....	421	371	....	....	....	....	430	1380	2800	899	524	384
11....	567	371	....	....	....	....	430	1260	2800	854	494	390
12....	649	384	....	....	....	....	468	1130	2800	899	494	394
13....	607	397	....	....	....	....	468	983	2600	854	442	378
14....	478	394	....	....	....	....	524	944	2540	770	463	371
15....	442	378	....	....	....	....	567	1100	2220	708	506	268
16....	408	374	....	....	....	....	567	1260	1860	656	524	371
17....	400	363	....	....	....	....	592	1500	1740	634	512	374
18....	400	355	....	....	....	....	795	1380	1500	620	494	374
19....	394	355	....	....	....	....	899	1500	1260	620	452	374
20....	394	363	....	....	....	....	926	1740	1260	600	428	368
21....	387	365	....	....	....	....	1130	1920	1150	600	394	356
22....	381	368	....	....	....	....	1260	2100	1150	506	381	368
23....	381	365	....	....	....	....	1380	2160	1100	494	387	374
24....	384	355	....	....	....	....	1200	2160	1150	463	408	374
25....	390	347	....	....	....	....	1260	2160	1150	468	417	368
26....	394	350	....	....	....	....	1380	2220	1150	478	417	360
27....	381	355	....	....	....	....	1560	2100	1150	468	413	368
28....	368	343	....	....	....	....	1560	2470	1130	494	408	368
29....	368	368	....	....	....	....	1620	2160	1130	484	408	368
30....	371	368	....	....	....	....	1680	2100	1080	484	384	374
31....	368	....	....	....	....	....	....	2220	....	482	374	....
Total	13247	11083	....	....	....	....	24266	54087	57930	22813	14060	11380
Mean..	427	369	....	....	....	....	809	1740	1930	736	454	379
Max..	649	397	....	....	....	....	1680	2470	2860	1320	524	413
Min..	368	347	....	....	....	....	....	944	1080	482	374	356
Acre-ft.	26300	22000	....	....	....	....	48100	107000	115000	45300	27900	22600

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of White River near Watson, Utah, for Year Ending Sept. 30, 1925.
Drainage Area,Square Miles. Altitude,Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	355	388	360	....	....	....	550	1210	2050	1010	571	560
2....	382	360	....	....	....	650	1280	2120	1180	571	663
3....	388	368	....	....	....	600	1380	1860	1550	597	576
4....	388	380	....	....	....	600	1550	1730	1920	618	597
5....	382	374	....	....	....	750	1550	1610	1820	607	624
6....	391	377	....	....	....	800	1610	1440	1710	607	591
7....	397	371	....	....	....	800	1730	1440	1600	602	560
8....	377	371	....	....	....	750	1860	1380	1490	624	555
9....	355	368	....	....	....	700	1920	1330	1380	597	555
10....	388	366	....	....	....	700	1920	1200	1270	602	546
11....	418	....	....	....	....	766	1860	1110	1160	951	550
12....	412	....	....	....	....	808	1790	1180	1050	793	486
13....	380	....	....	....	....	910	1670	1320	937	669	571
14....	391	....	....	....	....	995	1610	1270	827	663	546
15....	380	....	....	....	....	1090	1610	1200	717	669	555
16....	382	....	....	....	....	1170	1610	1250	607	669	550
17....	380	....	....	....	....	1280	1550	1440	586	663	486
18....	374	....	....	....	....	1330	1380	1550	560	663	597
19....	377	....	....	....	....	1440	1330	1610	546	586	2080
20....	382	....	....	....	....	1440	1500	1610	541	571	2100
21....	382	....	....	....	....	1210	1610	1670	861	786	1170
22....	380	....	....	....	....	1130	1670	1860	739	571	793
23....	377	....	....	....	....	1100	1790	2050	700	560	700
24....	374	....	....	....	....	1110	1790	2180	706	560	675
25....	363	....	....	....	....	1010	1790	1860	706	565	675
26....	355	....	....	....	....	943	1730	1610	694	565	706
27....	355	....	....	....	....	935	1610	1440	694	565	688
28....	380	....	....	....	....	977	1670	1310	652	869	669
29....	374	374	....	....	....	....	1060	1610	1220	571	602	652
30....	388	371	....	....	....	....	1110	1670	1100	571	541	641
31....	394	....	....	....	....	....	....	1790	....	571	532	....
Total	11423	....	....	....	....	28714	50650	46000	29926	19609	21717
Mean.	395	381	365	....	....	....	957	1630	1530	965	633	724
Max..	418	....	....	....	....	1440	1920	2180	1920	951	2100
Min..	355	....	....	....	....	....	1210	1100	541	532	486
Acre-ft	24300	22700	22400	....	....	....	56900	100000	91000	59300	38900	43100

Discharge of White River near Watson, Utah, for Year Ending Sept. 30, 1926.
Drainage Area,Square Miles. Altitude,Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	663	694	....	....	....	....	608	1950	2590	1090	525	350
2....	652	663	....	....	....	....	624	1950	2720	1090	480	347
3....	641	663	....	....	....	....	639	2120	2720	1110	487	344
4....	635	694	....	....	....	....	655	2280	2850	996	529	344
5....	663	663	....	....	....	....	660	2410	2990	1090	525	344
6....	1440	663	....	....	....	....	690	2410	2970	1130	604	350
7....	1040	652	....	....	....	....	690	2170	3030	1500	578	358
8....	995	652	....	....	....	....	720	2040	3150	1670	702	370
9....	869	641	....	....	....	....	720	1730	3360	1860	762	379
10....	793	635	....	....	....	....	755	1550	3140	1730	1670	385
11....	759	629	....	....	....	....	790	1460	3000	1380	2150	370
12....	831	618	....	....	....	....	790	1350	2930	1330	804	364
13....	869	618	....	....	....	....	830	1250	2930	1180	702	358
14....	831	607	....	....	....	....	830	1200	2860	1120	660	364
15....	831	607	....	....	....	....	870	1220	2580	1020	604	353
16....	759	607	....	....	....	....	870	1320	2440	927	644	347
17....	759	597	....	....	....	....	870	1430	2310	878	595	350
18....	759	597	....	....	....	....	911	1610	2120	830	549	347
19....	759	586	....	....	....	....	944	1670	1920	783	545	344
20....	725	576	....	....	....	....	1060	1730	1730	741	502	342
21....	725	565	....	....	....	....	1150	1770	1670	702	446	344
22....	663	555	....	....	....	....	1370	1880	1610	666	541	342
23....	694	576	....	....	....	....	1530	2130	1530	660	517	342
24....	694	565	....	....	....	....	1540	2260	1440	624	574	339
25....	694	555	....	....	....	....	1550	2380	1330	587	514	339
26....	694	597	....	....	....	....	1610	2440	1330	569	428	339
27....	694	663	....	....	....	....	1730	2430	1280	561	404	339
28....	694	675	....	....	....	....	1790	2760	1230	569	394	350
29....	694	675	....	....	....	....	1870	2830	1180	587	370	379
30....	694	675	....	....	....	....	2010	2960	1090	595	364	394
31....	694	....	....	....	....	....	....	2540	....	557	356	....
Total	23907	18763	....	....	....	....	31676	61230	68030	30132	19525	10617
Mean.	771	625	600	580	580	660	1060	1980	2270	972	630	354
Max..	1440	694	....	....	....	....	2010	2960	3360	1860	2150	394
Min..	635	555	....	....	....	....	608	1200	1090	557	356	339
Acre-ft	47400	37200	36900	35700	32200	40800	63100	122000	135000	59800	38700	21100

Unless otherwise noted, all discharges are in cubic feet per second.

COLORADO RIVER DRAINAGE

COLORADO RIVER AT HOT SULPHUR SPRINGS

Location—At highway bridge near depot in Hot Sulphur Springs, Sec. 2, T. 1 N., R. 78 W.

Records Available—July 22, 1904, to September 30, 1909; September 23, 1910, to September 30, 1924; October 1, 1925, to September 30, 1926.

Gage—Chain gage.

Accuracy—Results considered good.

Co-operation—Station maintained in co-operation with United States Geological Survey.

COLORADO RIVER AT GLENWOOD SPRINGS

Location—In Glenwood Springs opposite D. & R. G. R. R. Depot.

Records Available—May 12, 1899, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with United States Geological Survey and Public Service Company of Colorado.

COLORADO RIVER NEAR PALISADE

Location—At highway bridge in Sec. 2, T. 11 S., R. 98 W., two miles above Palisade.

Records Available—April 9, 1902, to September 30, 1926.

Gage—Chain gage.

Accuracy—Records considered good.

Co-operation—Records furnished by the United States Reclamation Service.

COLORADO RIVER NEAR CISCO, UTAH

Location—Between Sees. 8 and 17, T. 23 S., R. 24 E. Salt Lake Meridian, fifteen miles south of Cisco. Dolores River enters one mile above station.

Records Available—November 10, 1914, to September 30, 1917; October 1, 1922, to September 30, 1926. From October 1, 1913, to November 10, 1914, a station was maintained at Moab, 31 miles below this station.

Gage—Automatic recording gage.

Accuracy—Results considered good.

Co-operation—Station maintained in co-operation with the United States Geological Survey and State of Utah.

COLORADO RIVER AT LEES FERRY, ARIZONA

Location—At Lees Ferry, Arizona, about one-half mile below ferry and one-half mile above mouth of Paria River.

Records Available—June 13, 1921, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Records furnished by the United States Geological Survey.

FRASER RIVER NEAR WEST PORTAL (Arrow)

Location—In Sec. 4, T. 2 S., R. 75 W., one-quarter mile from Irwin Siding.

Records Available—September 23, 1910, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Results considered good.

Co-operation—Station maintained in co-operation with the City of Denver.

BLUE RIVER AT DILLON

Location—At Cemetery bridge in Sec. 18, T. 5 S., R. 77 W., a short distance above the mouth of Snake River.

Records Available—October 15, 1910, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Results considered good.

Co-operation—Station maintained in co-operation with the City of Denver.

EAGLE RIVER AT RED CLIFF

Location—In Sec. 29, T. 6 S., R. 80 W., in the town of Red Cliff and 100 yards above the mouth of Turkey Creek.

Records Available—January 8, 1911, to September 30, 1925.

Gage—Chain gage.

Accuracy—Results considered good.

Co-operation—Records furnished by the United States Geological Survey.

ROARING FORK AT GLENWOOD SPRINGS

Location—In Sec. 9, T. 6 S., R. 89 W., one-half mile above mouth.

Records Available—April 6, 1906, to September 30, 1909; September 21, 1910, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with United States Geological Survey.

PARACHUTE CREEK AT GRAND VALLEY

Location—In the NW $\frac{1}{4}$ Sec. 12, T. 7 S., R. 96 W., at Aplin Ranch one-half mile northwest of Grand Valley.

Records Available—April 7, 1921, to September 30, 1926.

Gage—Staff gage.

Accuracy—Records considered good.

ROAN CREEK NEAR DEBEQUE

Location—On Section line between Secs. 10 and 15, T. 7 S., R. 98 W., at highway bridge 11 miles north of DeBeque.

Records Available—April 8, 1921, to September 30, 1926.

Gage—Chain gage.

Accuracy—Records considered fair.

PLATEAU CREEK NEAR COLLBRAN

Location—In Sec. 23, T. 9 S., R. 94 W., on private bridge about seven miles east of Collbran.

Records Available—August 20, 1921, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

BUZZARD CREEK NEAR COLLBRAN

Location—In Sec. 14, T. 9 S., R. 94 W., on highway bridge seven miles east of Collbran.

Records Available—August 18, 1921, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

TAYLOR RIVER AT ALMONT

Location—At highway bridge at Almont in Sec. 22, T. 51 N., R. 1 E., N. M. P. M. and 800 feet above junction with East River.

Records Available—July 27, 1910, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained by the United State Geological Survey and Bureau of Reclamation in co-operation.

GUNNISON RIVER NEAR GUNNISON

Location—At highway bridge in Sec. 3, T. 49 N., R. 1 W., two miles west of Gunnison above the mouth of Tomichi Creek.

Records Available—November 27, 1910, to November 30, 1914; April 27, 1916, to September 30, 1926.

Gage—Chain gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the United States Geological Survey.

GUNNISON RIVER NEAR GRAND JUNCTION

Location—In NW $\frac{1}{4}$ Sec. 35, T. 1 S., R. 1 W., two miles above mouth. This record includes the flow of Redlands Irrigation and Power Company's canal.

Records Available—October 19, 1894, to December 21, 1895; May 2, 1897, to November 30, 1899; April 1, 1917, to September 30, 1926.

Gage—Vertical staff and slope gages.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with United States Geological Survey and Redlands Irrigation and Power Company.

NORTH FORK OF GUNNISON RIVER NEAR PAONIA

Location—In Sec. 28, T. 13 S., R. 91 W., on highway bridge two miles northeast of Paonia.

Records Available—January 1, 1922, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

LEROUX CREEK NEAR LAZEAR

Location—In Sec. 33, T. 13 S., R. 93 W., at highway bridge eight miles north of Lazear.

Records Available—May 15, 1917, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

SURFACE CREEK AT CEDAREDDGE

Location—In Sec. 29, T. 13 S., R. 94 W., at Cedaredge.

Records Available—May 16, 1917, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

UNCOMPAHGRE RIVER BELOW OURAY

Location—In Sec. 30, T. 44 N., R. 7 W., one-third mile below railroad station at Ouray.

Records Available—May 12, 1913, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with United States Geological Survey.

UNCOMPAHGRE RIVER NEAR COLONA

Location—In Sec. 5, T. 46 N., R. 8 W., at highway bridge four miles south of Colona.

Records Available—April 6, 1917, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Records furnished by the United States Bureau of Reclamation.

UNCOMPAHGRE RIVER NEAR DELTA

Location—At railroad bridge in Sec. 13, T. 15 S., R. 96 W., one mile northwest of Delta.

Records Available—April 29, 1903, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

Co-operation—Station maintained in co-operation with United States Reclamation Service and United States Geological Survey.

DALLAS CREEK NEAR RIDGWAY

Location—In Sec. 5, T. 48 S., R. 8 W., at highway bridge, one and one-half mile northwest of Ridgway.

Records Available—March 1, 1922, to September 30, 1926.

Gage—Vertical staff.

Accuracy—Records considered good.

KANNAH CREEK NEAR WHITEWATER

Location—In Sec. 34, T. 12 S., R. 97 W., below intake for water supply of Grand Junction.

Records Available—October 15, 1917, to September 30, 1921; August 17, 1922, to September 30, 1926.

Gage—Staff gage.

Accuracy—Records considered good.

DOLORES RIVER AT DOLORES

Location—At highway bridge in Sec. 9, T. 37 S., R. 15 W., in the town of Dolores.

Records Available—June 24, 1895, to October 31, 1903; November 1, 1910, to November 30, 1912; April 11, 1922, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

LOST CANON CREEK NEAR DOLORES

Location—In Sec. 16, T. 37 S., R. 15 W., on D. & R. G. W. R. R. bridge one-half mile south of Dolores.

Records Available—April 1, 1922, to September 30, 1926.

Gage—Staff gage.

Accuracy—Records considered good.

SAN MIGUEL RIVER AT NATURITA

Location—On highway bridge in Naturita.

Records Available—April 26, 1918, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

PARIA RIVER AT LEES FERRY

Location—One mile above the mouth.

Records Available—November 22, 1924, to September 30, 1926.

Gage—Staff gage.

Accuracy—Records considered fair.

Co-operation—Records furnished by the United States Geological Survey.

Discharge of Colorado River at Hot Sulphur Springs for Year Ending Sept. 30, 1926.
Drainage Area 785 Square Miles. Altitude 7,665 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	300	292	.....	.....	.....	.....	.....	1770	4280	2600	700	284
2.....	275	288	.....	.....	.....	.....	.....	1830	4540	2620	558	271
3.....	280	292	.....	.....	.....	.....	.....	1980	4630	2640	644	263
4.....	350	288	.....	.....	.....	.....	.....	2480	4840	2530	711	292
5.....	410	204	.....	.....	.....	.....	.....	2800	4600	2600	700	305
6.....	440	288	.....	.....	.....	.....	209	3000	4900	2260	722	310
7.....	471	276	.....	.....	.....	.....	.....	2640	5910	2340	814	280
8.....	431	250	133	.....	.....	.....	.....	1980	5710	2940	856	292
9.....	388	225	.....	.....	.....	.....	.....	1710	5320	2370	797	280
10.....	369	212	.....	.....	.....	.....	.....	1720	4900	2840	780	251
11.....	417	200	.....	.....	.....	.....	.....	1430	4840	2280	700	239
12.....	466	196	.....	.....	.....	.....	.....	1250	4660	1950	628	239
13.....	441	204	.....	.....	.....	.....	.....	1180	5510	1860	589	235
14.....	417	157	.....	.....	.....	.....	.....	1090	4980	1770	522	227
15.....	431	157	.....	.....	.....	.....	.....	1170	4370	1730	486	215
16.....	412	157	.....	.....	.....	.....	.....	1360	4460	1590	486	204
17.....	402	157	.....	.....	.....	.....	.....	1570	3950	1530	486	200
18.....	388	157	.....	.....	.....	.....	.....	1750	3620	1510	456	215
19.....	359	157	.....	.....	.....	.....	.....	1720	3270	1490	456	185
20.....	355	157	.....	.....	.....	.....	.....	1980	3000	1370	407	178
21.....	332	157	.....	.....	.....	.....	.....	2620	2450	1370	388	163
22.....	323	157	.....	.....	.....	.....	.....	3180	2340	1290	388	163
23.....	341	135	.....	.....	.....	.....	.....	3700	2120	1170	359	160
24.....	336	135	.....	.....	108	.....	.....	4200	2080	1030	341	153
25.....	341	135	.....	.....	.....	.....	.....	4420	2230	885	341	149
26.....	323	135	.....	135	.....	.....	.....	4540	2340	944	341	149
27.....	350	135	.....	.....	.....	.....	.....	5080	2560	914	341	163
28.....	328	145	.....	.....	.....	.....	.....	4460	2640	897	314	171
29.....	355	145	.....	.....	.....	.....	.....	4320	2530	914	305	163
30.....	332	145	.....	.....	.....	.....	.....	3700	2600	838	271	160
31.....	341	.....	.....	.....	.....	.....	.....	4030	.....	856	263	.....
Total	11504	5714	.....	.....	.....	.....	.....	80660	116180	53918	16096	6559
Mean.	371	190	135	125	120	160	795	2600	3870	1740	519	219
Max.	471	292	.....	.....	.....	.....	.....	5080	5910	2930	856	310
Min.	275	.....	.....	.....	.....	.....	.....	1090	2080	838	263	149
Acres-ft.	22800	11300	8300	7690	6660	9840	47300	160000	230000	107000	31900	13000

Discharge of Colorado River at Glenwood Springs for Year Ending Sept. 30, 1925.
Drainage Area 4,560 Square Miles. Altitude 5,747 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	1210	1290	965	796	720	789	2240	3080	10200	4970	1660	1770
2.....	1170	1250	868	901	726	796	2310	3500	8900	5390	1610	1610
3.....	1110	1250	868	690	726	808	2380	3950	7610	5530	1560	1770
4.....	1060	1300	995	874	720	802	2310	4320	6690	5250	1560	2200
5.....	1070	1300	905	564	720	841	2380	4320	6100	5110	1560	2340
6.....	1100	1280	928	815	738	1010	2720	4320	6100	5250	1660	2270
7.....	1010	1260	950	964	744	1110	2800	4320	6390	4700	1660	2140
8.....	958	1260	852	720	726	1140	2010	4440	6990	4190	1510	2080
9.....	1410	1100	740	696	720	1300	1770	4840	6390	3720	1510	1950
10.....	1590	1120	670	696	714	1420	1720	4700	5960	3500	1510	1830
11.....	1490	1140	663	714	708	1340	1890	4700	6390	3390	1560	1720
12.....	1470	1210	705	684	690	1170	2310	4840	6990	3500	1890	1610
13.....	1440	1130	740	738	702	926	2890	4700	6690	3280	2080	1610
14.....	1370	1100	782	744	702	922	2980	4840	6100	3080	2270	1560
15.....	1350	1170	817	782	726	880	3080	5250	6690	2890	2080	1720
16.....	1390	1040	732	702	763	894	3500	5390	7930	2720	1830	1770
17.....	1440	1210	712	696	782	782	3610	5110	8900	2720	1610	1660
18.....	1450	1180	860	636	770	763	3720	4970	8570	2720	1510	1560
19.....	1540	1130	628	770	750	763	3840	5810	8250	2800	1360	1610
20.....	1630	1180	512	684	756	867	3280	7300	8570	2560	1410	1510
21.....	1700	1160	433	750	848	950	2980	8570	9060	2720	1610	1560
22.....	1660	1170	684	696	696	1190	3080	9570	9570	2980	1770	1460
23.....	1610	1250	672	714	696	1510	3280	9910	9570	3080	1950	1460
24.....	1510	1090	594	744	708	1820	3180	9570	8900	2800	1830	1510
25.....	1450	988	582	714	726	2140	2890	9570	7930	2560	1830	1610
26.....	1370	832	535	744	750	2150	2610	9230	6990	2200	1890	1610
27.....	1460	831	588	720	763	2340	2640	8900	6390	2080	2080	1510
28.....	1360	1100	541	690	782	1960	2720	9230	5960	2010	2270	1410
29.....	1320	972	684	720	.....	1730	2720	9570	5530	1890	2200	1330
30.....	1330	831	776	726	.....	1960	2800	10200	5250	1770	2080	1320
31.....	1340	.....	763	702	.....	2220	.....	11000	.....	1720	1890	.....
Total	12338	34154	22715	22780	20572	39303	82700	200620	221560	103080	52800	51070
Mean	1370	1110	734	735	735	1270	2760	6450	7390	3330	1700	1700
Max.	1700	1290	995	964	848	2340	3810	11000	10200	5530	2270	2340
Min	958	831	433	564	690	763	1720	3080	5250	1720	1360	1320
Acres-ft.	84200	67800	45100	45200	40800	78100	164000	397000	440000	205000	105000	101000

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River at Glenwood Springs for Year Ending Sept. 30, 1926.
Drainage Area, 4,560 Square Miles. Altitude, 5,747 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	1310	1410	1010	626	751	696	844	7300	15700	9230	2910	1400
2....	1280	1420	1030	834	710	721	906	7300	16500	9230	2830	1390
3....	1260	1420	1040	791	768	746	769	7930	17800	8570	2750	1270
4....	1220	1400	1010	922	758	743	803	8900	18700	8250	2830	1360
5....	1250	1310	852	832	674	824	956	9910	19100	8570	2910	1360
6....	1500	1240	924	857	682	818	1340	11000	19800	8570	3190	1130
7....	1580	1210	900	830	624	590	1860	10600	22700	9230	3090	918
8....	1720	1200	968	847	774	711	2280	8900	21700	11000	3090	966
9....	1680	1040	835	819	732	743	2410	7610	20800	10600	3290	1040
10....	1620	1060	711	744	736	734	2340	6390	19100	9230	3290	1020
11....	1670	1000	596	823	703	837	2610	5670	17800	8570	3090	956
12....	1710	1000	638	706	704	827	2750	5250	17400	7300	2830	928
13....	1710	1060	798	643	730	848	2680	4700	17800	6990	2610	862
14....	1670	1110	810	638	626	738	2680	4190	17800	6390	2480	871
15....	1590	1110	621	649	768	854	2540	4070	17400	5960	2340	880
16....	1540	1020	708	704	697	810	2680	4700	16100	5670	2220	937
17....	1500	946	740	703	745	833	3500	5670	14000	5530	2100	966
18....	1470	1020	631	728	687	825	4320	6690	12000	5250	1980	985
19....	1460	1040	732	723	650	931	4320	6990	10600	4970	1860	975
20....	1410	969	733	760	712	984	4700	7300	10600	4700	1740	946
21....	1420	893	754	763	612	966	4570	8900	10200	4570	1680	918
22....	1400	858	796	696	752	919	4970	11300	9230	4320	1620	862
23....	1400	878	843	724	681	1110	5250	13200	8800	4070	1570	844
24....	1430	959	842	614	645	1200	5250	15200	8250	3840	1510	790
25....	1470	932	842	725	678	1410	4440	16500	8250	3610	1460	799
26....	1430	1010	785	737	704	1310	4570	17000	8570	3400	1460	742
27....	1390	1010	785	743	707	1100	5110	16500	8570	3090	1360	844
28....	1370	1050	733	570	653	1070	5670	15700	8900	3090	1390	758
29....	1400	1060	662	648	....	897	5810	15700	8900	3400	1390	880
30....	1470	969	626	853	....	940	6390	14000	8900	3610	1360	899
31....	1480	....	527	638	....	869	....	14000	....	3190	1360	....
Total	45810	32604	24482	22890	19663	27604	99318	299000	431970	194000	69590	29946
Mean.	1480	1090	790	738	702	890	3310	9650	14400	6260	2240	983
Max..	1720	1420	1040	922	774	1410	6390	17000	22700	11000	3290	1400
Min..	1220	858	527	570	612	590	769	4070	8250	3090	1360	742
Acre-ft.	91000	64900	48600	45400	39000	54700	197000	593000	857000	385000	138000	58500

Discharge of Colorado River Near Palisade for Year Ending Sept. 30, 1925.
Drainage Area, 8,790 Square Miles. Altitude, 4,729 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	1340	1920	1240	....	....	1900	3340	4600	17600	11400	2290	3160
2....	1440	1980	1440	....	....	1900	3340	5480	15800	9740	2220	2860
3....	1340	1920	1700	....	....	1900	3340	6470	13800	9420	2100	3880
4....	1290	1980	1390	....	....	1900	3340	7590	11400	9260	1980	3160
5....	1440	2160	1540	....	....	1900	3340	8030	9900	8940	1980	3980
6....	1340	2100	1590	....	....	1900	3340	8030	10400	8940	1860	4080
7....	1490	2100	1640	....	....	1900	3390	7590	10400	8480	1980	3780
8....	2430	1980	1590	....	....	1900	3580	7880	10600	7300	1860	3310
9....	1700	1980	1340	....	....	1900	4500	8330	10600	6740	1640	3230
10....	1980	1980	1340	....	....	1900	4920	8180	9740	5840	1390	3000
11....	2220	1980	1290	....	....	2230	4600	8030	10200	5840	2160	2780
12....	2040	1920	1440	....	....	2230	5600	7880	11500	6470	2710	2640
13....	2100	1920	1390	....	....	2230	5250	8330	10400	5960	3230	2780
14....	1980	1810	1340	....	....	2230	6080	8940	10100	5140	3580	2500
15....	1980	1860	1490	....	....	2230	6080	8790	10300	4700	3390	2500
16....	2040	1920	1540	....	....	2230	6210	8790	13100	4180	2860	2570
17....	2100	1920	1590	....	....	2230	7160	8790	15000	3980	2860	2570
18....	2100	2040	1490	....	....	2230	7300	8330	15200	4280	2240	2500
19....	2160	2040	1640	....	....	2230	7300	9740	15200	3580	2220	3390
20....	2220	2040	1590	....	....	2230	6600	12600	14700	4080	1860	4500
21....	2220	1920	1540	....	....	2550	5360	14800	16400	4700	2160	3160
22....	2430	1860	1540	....	....	2550	5340	15800	18000	5480	2360	2860
23....	2290	1860	1540	....	....	2550	5600	16000	18200	6210	2430	2500
24....	2220	1860	1540	....	....	2550	5250	16400	16000	5030	2570	2570
25....	2160	1760	1540	....	....	2550	4810	16600	15000	4280	2860	2640
26....	2100	1590	1540	....	....	3220	4280	16000	12400	3780	2780	2640
27....	2100	1490	1540	....	....	3220	3880	15200	11900	3480	2860	2500
28....	2040	1440	1540	....	....	3220	4180	15600	11000	3080	4390	2290
29....	1980	1340	1540	....	....	3220	4280	17000	10200	2930	4390	2160
30....	2100	1390	1540	....	....	3220	4280	17600	9900	2640	3580	2040
31....	2100	....	1540	....	....	3220	....	18600	....	2570	3160	....
Total	60470	56060	46550	....	....	73370	146370	342000	384900	178450	80000	88530
Mean.	1950	1870	1500	1500	1500	2370	4880	11000	12800	5760	2580	2950
Max..	2430	2160	1700	....	....	....	7300	18600	18200	11400	4390	4500
Min..	1290	1340	....	....	....	....	3340	4600	9740	2570	1390	2040
A.-ft.	120000	111000	92200	92200	83300	146000	290000	676000	762000	354000	159000	176000

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River Near Palisade for Year Ending Sept. 30, 1926.
Drainage Area, 8,790 Square Miles. Altitude, 4,729 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	1920	2220	1760	1490	1390	1390	1540	12200	24300	13900	3230	1110
2....	1860	2570	1810	1540	1340	1490	1540	11900	27400	13800	3160	1070
3....	1860	3000	1700	1540	1490	1540	1590	12700	29000	13200	2930	1030
4....	1810	2570	1700	1490	1490	1640	1590	14500	29600	12600	2780	990
5....	1860	2430	1640	1590	1490	1700	1540	16000	30700	12200	2860	990
6....	3880	2290	1700	1590	1390	1760	1860	18000	31000	13400	4920	1150
7....	3210	2220	1810	1490	1390	1640	2500	17600	32500	13800	3880	1230
8....	2940	2220	1540	1440	1440	1490	3310	15400	33400	15800	3880	1320
9....	3120	2220	1760	1490	1540	1700	3680	12900	32800	16600	3780	1420
10....	2540	2160	1440	1440	1390	1760	3160	10700	30400	15000	3780	1370
11....	3980	2160	1290	1390	1490	1700	3230	9580	28200	12600	3780	1280
12....	3230	2100	1240	1340	1440	1700	3480	8030	27400	11500	3300	1280
13....	3230	2160	1440	1340	1440	1700	3390	7300	27400	10700	3120	1230
14....	2780	2220	1760	1200	1440	1640	3480	6740	27100	10200	2780	1190
15....	2860	2160	1860	1290	1390	1340	3310	6470	26000	9100	2390	1190
16....	2570	2160	1440	1290	1390	1700	3390	6880	24800	8640	2320	1230
17....	3000	2100	1440	1390	1390	1920	3580	8480	22600	7880	2180	1230
18....	2780	2100	1440	1540	1390	1920	5600	9900	19000	7300	2000	1230
19....	2500	1810	1540	1490	1440	1860	5960	10900	16800	7160	2000	1230
20....	2430	1760	1810	1490	1340	2100	6470	11500	16600	6470	1940	1230
21....	2430	1440	1590	1390	1340	1760	6880	14100	15800	6080	1880	1230
22....	2430	1590	1440	1340	1340	1760	7160	17000	14800	5720	1820	1110
23....	2430	1760	1390	1200	1340	1860	8480	20500	13100	5250	1640	1070
24....	2430	1810	1490	1060	1340	1980	8790	24300	12900	4810	1420	1030
25....	2360	1980	1540	1240	1440	1980	8330	27100	13600	4280	1110	1030
26....	2290	1920	1700	1290	1390	2040	8030	26800	13600	4080	1320	950
27....	2290	1980	1540	1390	1390	1860	8940	26300	13800	3780	1230	1230
28....	2220	1920	1590	1340	1390	1540	9900	25000	13900	3780	1230	1230
29....	2220	2040	1540	1390	....	1490	10200	24000	13900	3880	1190	1190
30....	2220	1920	1490	1700	....	1490	11200	23500	13800	4080	1110	1640
31....	2220	....	1440	1760	....	1640	....	22600	....	3780	1070	....
Total	79900	62990	48870	43960	39470	53090	152110	478880	676200	281370	76030	35710
Mean.	2580	2100	1580	1420	1410	1710	5070	15400	22500	9080	2450	1190
Max.	3980	3000	1860	1760	1540	2100	11200	27100	33400	16600	4920	1640
Min.	1810	1440	1240	1060	1340	1340	1540	6470	12900	3780	1070	950
A.-ft.	159000	125000	97200	87300	78300	105000	302000	947000	1340000	558000	151000	70800

Discharge of Colorado River Near Cisco, Utah, for Year Ending Sept. 30, 1925.
Drainage Area, 24,100 Square Miles. Altitude, 4,088 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	2070	3310	2740	....	....	3000	6640	10200	27700	13300	4000	7260
2....	2170	3280	2600	....	....	3000	6910	11200	25700	12900	3960	6660
3....	2150	3160	2810	....	....	3000	6610	12400	21400	13000	3570	6480
4....	2150	3280	2790	....	....	3000	6300	14300	18300	12600	3590	10900
5....	2120	3370	2810	....	....	3000	6300	16400	15900	12700	3610	7860
6....	2170	3510	2940	....	....	3000	7120	17100	14800	13300	3750	7800
7....	2310	3530	2850	....	....	3000	8500	16700	14800	12900	3530	7260
8....	3300	3490	2830	....	....	3530	8380	15900	14800	11700	3490	6610
9....	3570	3240	2700	....	....	3830	7120	15600	14200	10400	3220	5960
10....	3180	3180	2650	....	....	4020	6040	15500	13500	9420	2880	5710
11....	3330	3280	2650	....	....	3790	6120	15400	12800	9200	3310	5450
12....	3670	3260	2650	....	....	3490	7230	15100	13800	9230	5400	5200
13....	3550	3260	2650	....	....	3180	9640	14700	15700	9700	5570	4950
14....	3590	3240	2740	....	....	3000	12000	14000	14900	9420	5790	4900
15....	3530	3200	3260	....	....	2850	12700	14200	13900	8530	6140	4900
16....	3510	3160	2920	....	....	2700	13400	14000	15700	7460	5720	4670
17....	3550	3180	2810	....	....	2560	13400	14000	19000	6690	4970	4580
18....	3650	3090	2790	....	....	2740	13300	13900	21200	6400	4280	4520
19....	3590	3240	2740	....	....	2720	13300	14600	21400	6040	4360	7510
20....	3590	3390	2600	....	....	2650	13200	17700	21600	5940	4100	9610
21....	3790	3370	2400	....	....	2620	12500	21200	22900	6320	4500	9960
22....	3770	3330	2200	....	....	2700	11200	23800	24900	8350	4100	7740
23....	3960	3240	2000	....	....	2810	11700	23400	27000	9260	4170	6690
24....	3550	3260	1500	....	....	3180	11100	22700	25300	9390	5040	5990
25....	3570	3240	1500	....	....	4000	9860	23700	22400	7970	7260	5620
26....	3450	2990	1500	....	....	4700	8800	23700	19900	7120	6990	5400
27....	3300	2690	1500	....	....	5040	8230	23000	17500	6510	7210	5180
28....	3240	2600	1800	....	....	5540	8470	22600	16100	6020	7970	4830
29....	3200	2580	1800	....	....	5820	8920	23700	14600	5520	7540	4450
30....	3240	2810	1800	....	....	5840	9570	24800	13400	5020	7910	4130
31....	3350	....	1800	....	....	6090	....	25900	....	4360	7120	....
Total	99170	95760	75330	....	....	110460	284560	551800	551000	276670	155050	188780
Mean.	3200	3190	2430	2200	2600	3560	9490	17800	18500	8920	5000	6290
Max.	3960	3530	3260	....	....	6090	13400	25900	27700	13300	7970	10900
Min.	2070	2580	....	....	....	2560	6040	10200	12800	4360	2880	4130
A.-ft.	197000	190000	149000	135000	144000	219000	565000	1090000	1000000	548000	307000	374000

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River Near Cisco, Utah, for Year Ending Sept. 30, 1926.
Drainage Area, 24,100 Square Miles. Altitude, 4,088 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	3810	4320	3310	2400	2700	2340	3290	26300	34600	17400	4500	1620
2....	3690	4430	3220	2400	2700	2420	3430	25500	37900	17900	4200	1560
3....	3390	4790	3260	2400	2700	2470	3390	24500	41300	17800	4000	1540
4....	3270	4890	3350	2400	2700	2610	3450	26600	43200	16700	3900	1510
5....	5200	4630	3240	2400	2700	2880	3290	28800	44600	16000	3800	1470
6....	13000	4350	2990	2400	2700	3140	3510	32300	44800	17400	5500	1460
7....	5880	3940	3100	2400	2700	3270	4390	35800	45200	18100	5500	1470
8....	5470	3830	3160	2400	2700	2950	6950	31700	46800	20400	5000	1650
9....	5220	3920	3080	2400	2700	2540	9070	27900	45200	22700	5000	1670
10....	5030	3830	3030	2400	2700	2800	8600	22500	43700	20800	5500	1820
11....	5670	3730	2770	2400	2700	2800	7650	18700	41300	18800	5500	1810
12....	6610	3790	2650	2400	2680	2800	8040	16200	39300	16000	5200	1810
13....	5800	3730	2650	2400	2660	2800	8720	15000	38300	14000	4600	1790
14....	6090	3860	2650	2400	2880	2800	8630	13800	37900	13000	4000	1810
15....	6170	3770	2650	2400	2750	2800	8880	13500	35800	12000	3400	1880
16....	5780	3710	2680	2200	2660	3060	9520	13400	34600	11000	3300	1840
17....	5320	3430	2580	2200	2720	3590	13100	15000	32600	10000	3000	1880
18....	5130	3490	2540	2200	2580	3810	12400	17300	29400	9500	2800	1790
19....	5010	3550	2560	2200	2520	4060	14000	19200	25400	9000	2800	1760
20....	4890	3530	2560	2200	2420	4240	16700	20900	22700	8000	2600	1750
21....	4770	3350	2600	2100	2380	4320	18200	24200	21600	7600	2400	1750
22....	4570	3180	2500	2100	2440	4410	20100	29800	21000	7300	2300	1940
23....	4540	3140	2450	2100	2360	4210	22400	33400	19500	6800	2200	1720
24....	4630	3160	2400	2100	2410	3940	22600	37200	18200	6200	2100	1580
25....	4660	3240	2500	2100	2330	4460	23900	40800	18200	5600	1900	1480
26....	4660	3410	2650	2300	2230	5060	23800	41900	18200	5300	2100	1510
27....	4570	3510	2800	2300	2360	4820	24400	47500	18000	5000	2020	1600
28....	4460	3470	2830	2300	2360	4460	25100	42100	18000	5000	1900	1760
29....	4390	3370	2750	2300	....	4000	24000	38300	18400	5200	1750	1680
30....	4320	3330	2560	2300	....	3710	24600	35200	17800	5500	1680	1880
31....	4320	....	2560	2700	....	3450	....	34200	....	5500	1670	....
Total	160320	112680	86630	71700	72440	107020	386110	849500	953500	371500	106120	50790
Mean.	5170	3760	2790	2310	2590	3450	12900	27400	31800	12000	3420	1690
Max..	13000	4890	3350	2700	2880	5060	25100	47500	46800	22700	5500	1940
Min...	3270	3140	2400	....	2230	2340	3290	13400	17800	5000	1670	1460
A.-ft.	318000	224000	172000	142000	144000	212000	768000	1680000	1890000	738000	210000	101000

Discharge of Colorado River at Lee's Ferry, Ariz., for Year Ending Sept. 30, 1921
Drainage Area, Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	62700	29600	23800
2....	58900	37000	25200
3....	55600	29600	22500
4....	51900	26600	21800
5....	50500	23500	21100
6....	48200	20700	20100
7....	45500	19400	18100
8....	41100	18800	16200
9....	36000	17500	15100
10....	33200	16600	14200
11....	30800	16200	12800
12....	29600	16600	12100
13....	29300	16600	11600
14....	138000	28100	14800	10900
15....	150000	28500	15400	10000
16....	161000	29300	19400	9630
17....	169000	28100	16000	9440
18....	175000	32000	20400	8500
19....	181000	31600	17500	8680
20....	172000	31200	15600	8150
21....	156000	32000	24500	8150
22....	137000	28900	26200	7980
23....	119000	29600	40200	7980
24....	106000	28500	48200	7980
25....	91300	27700	64100	7640
26....	82000	26600	51900	7810
27....	77800	26600	46000	7640
28....	75200	27700	35200	7310
29....	73700	33200	30000	7150
30....	75700	26200	27700	6830
31....	66500	25500	25200	....
Total	1094600	827000	376370
Mean.	35300	26700	12500
Max..	62700	64100	25200
Min...	25500	14800	6830
Acre-ft	2170000	1640000	744000

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River at Lee's Ferry, Ariz., for Year Ending Sept. 30, 1922.
Drainage Area, Square Miles. Altitude, . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	7120	6780	7650	8580	5150	9600	17200	42500	118000	52100	11900	8550
2....	11800	6780	7470	8390	5150	9390	16000	46600	119000	48800	12100	8740
3....	7830	6780	7470	8200	5020	9390	14500	53200	107000	46100	12400	8740
4....	7470	6780	7300	8550	5150	8580	13500	55400	95700	44000	13400	10800
5....	6780	6950	7120	10000	5280	7650	13000	55400	86200	42500	14900	11700
6....	6950	7120	7120	8980	5020	7300	14000	61000	81200	36600	14100	9930
7....	6950	7300	7120	8980	5280	7120	16500	62700	81200	34800	12400	8930
8....	7120	7300	7470	8390	5020	6780	17800	71700	84500	32900	11900	8930
9....	6780	7120	6950	7300	4900	6780	18800	81200	88500	31200	11700	9120
10....	6780	7120	6450	6620	5020	6620	18100	68800	93500	28200	11000	8550
11....	6780	7120	5830	5280	6450	6290	17800	85100	104000	27000	9930	8180
12....	6780	7120	5830	4430	10900	6130	17800	81200	108000	25000	10600	7820
13....	6950	6950	5550	3900	10000	6130	18100	72800	108000	23100	9120	7300
14....	7120	6950	5280	3700	9600	6130	17500	65500	102000	22400	8930	6960
15....	6780	6780	5020	3700	10200	6290	16800	61000	99700	21300	8740	6640
16....	6780	6450	5020	4110	9810	6780	15700	56500	99100	19200	8180	6480
17....	6450	6450	5150	4110	8390	10000	14800	54300	97400	18400	8180	6320
18....	6450	6780	5420	4320	7650	16800	14000	51500	87900	16800	8550	6170
19....	6130	6780	5980	4540	7650	22600	14300	50400	79500	15400	8550	5720
20....	6290	6950	6130	4540	7830	24500	14000	55400	75600	14600	11500	5580
21....	6450	6950	6450	4900	8780	31200	13500	63800	75600	13800	11000	5580
22....	6130	6950	7300	4430	10200	31200	12500	70000	75000	13100	11700	5300
23....	6130	7120	7470	4220	10200	24500	13500	77300	75000	12800	12400	5300
24....	6130	6950	8020	4000	10700	21200	17500	82300	72200	11900	12400	5170
25....	6130	6620	8580	4110	10700	21900	24900	86800	71700	11200	19300	5040
26....	6780	6620	9810	4430	10500	21200	30700	94600	68900	10800	17800	5040
27....	7120	7120	10500	4900	10000	23700	32900	99100	65500	10400	12600	4920
28....	7650	7470	11800	4770	9810	24500	36200	106000	61600	10400	11000	4920
29....	7650	7470	10700	4430	....	24500	40000	113000	57100	10100	10400	4790
30....	6780	7650	9180	4430	....	22200	42000	117000	55400	9930	9320	4790
31....	6450	....	8780	4660	....	19400	....	119000	....	10100	8930	....
Total	215490	209280	225920	175390	220360	456360	583990	2279100	2594000	725030	354930	212010
Mean.	6950	6980	7290	5680	7870	14700	19500	73500	86500	23400	11400	7070
Max.	11800	7650	11800	10000	10900	31200	42000	119000	119000	52100	19300	11700
Min.	6130	6450	5020	3700	4900	6130	12500	42500	55400	9930	8180	4790
A-ft.	427000	415000	448000	349000	437000	904000	1160000	4520000	5150000	1140000	701000	421000

Discharge of Colorado River at Lee's Ferry, Ariz., for Year Ending Sept. 30, 1923.
Drainage Area, Square Miles. Altitude, . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	4660	5170	7130	5720	6260	7530	8690	21900	94200	58800	25200	21100
2....	4540	5300	6640	5870	6090	7340	13100	23100	98700	55400	22700	19400
3....	4540	5580	7130	6320	6090	7340	16100	27000	89600	51900	22700	15000
4....	4540	6020	7130	5720	6090	6980	19400	31200	87800	49600	21500	13600
5....	4660	6480	6960	5440	6090	6980	21100	31600	85500	47200	20800	13100
6....	4660	6480	6800	5870	6090	6980	20800	34600	86100	43800	20800	12600
7....	4790	6480	6640	5170	5920	7340	20400	38800	85500	41000	20400	12100
8....	4790	6640	6960	5300	5400	7910	18300	43800	80300	40400	19000	11100
9....	4660	6960	7130	5300	5230	7910	17000	46700	75100	39400	17700	10600
10....	4540	7130	7130	5580	5230	7530	15800	51300	73900	40400	16400	10400
11....	4540	7130	6960	6020	5060	7160	15800	55900	71600	42100	17700	9740
12....	4540	6960	6800	6170	5060	7160	17700	61200	70400	42100	16700	9740
13....	4420	6960	6640	6020	5060	7160	19000	64100	69900	41000	22300	9960
14....	4420	6960	6800	6170	5230	7530	19000	67500	72800	40400	23500	9960
15....	4540	7130	6320	6320	5230	7910	18600	65800	77400	38800	28500	9520
16....	4540	7130	6170	6480	5400	7720	19000	63500	82000	38200	27900	8690
17....	4540	7300	5870	6480	5740	7720	21100	60000	85500	39400	27400	8300
18....	4540	7300	6170	6320	5920	7720	23100	56500	87800	35600	28400	9310
19....	4540	6960	6960	6260	6090	7720	24800	54200	87800	35600	29200	15000
20....	4540	6640	7130	6260	6260	7720	24800	54200	84400	34100	32100	47800
21....	4790	6480	7130	6260	6800	7340	25600	55400	79700	32100	29200	28400
22....	4790	6480	7130	6090	6800	7160	28400	58800	74500	31600	25200	16700
23....	4790	6640	7130	6090	6980	6980	30700	64600	70400	31200	22700	13300
24....	4790	6800	6480	6020	6980	6980	31200	69900	67500	34100	21500	12100
25....	4790	6960	6020	6260	7160	6980	32100	70400	64600	31600	19000	14100
26....	4790	6960	6020	6260	7340	6980	29700	68100	61200	28400	18000	19000
27....	4920	6960	4920	6440	7530	6800	26100	69900	59400	27000	16700	17700
28....	4920	7130	4920	6620	7530	6620	23100	78600	60000	25600	15300	16100
29....	5170	6960	4920	6440	....	6620	24500	87800	61200	24400	14100	14400
30....	5170	6960	5300	6260	....	6440	20800	96000	62300	24000	18600	14100
31....	5170	....	5580	6260	....	6980	....	98300	....	26600	18300	....
Total	145630	201040	199920	187860	170660	225240	642790	1770700	2299100	1171800	679800	442920
Mean.	4700	6700	6450	6060	6100	7270	21400	57100	76600	37800	21900	14800
Max.	5170	7300	7130	6620	7530	7910	32100	98300	94200	5880	32100	47800
Min.	4420	5170	4920	5170	5060	6440	8690	21900	59400	24000	14100	8300
A-ft.	986000	399000	397000	373000	311000	417000	1270000	3510000	4560000	2320000	1350000	881000

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River at Lee's Ferry, Ariz., for Year Ending Sept. 30, 1924.
Drainage Area, . . . Square Miles. Altitude, . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1. . . .	13700	10200	8100	7910	5570	10100	9030	29400	54900	30400	7110	2640
2. . . .	13200	10300	8100	7360	5940	9760	8210	26800	51800	28600	7910	2500
3. . . .	13000	10300	8060	6650	6320	10100	8180	25000	47500	26800	8100	2390
4. . . .	12800	10300	7950	5690	6420	10200	8060	24600	44500	25000	7430	2390
5. . . .	12400	10500	7990	4700	6480	10000	8060	25800	42800	23000	7180	2320
6. . . .	12800	10300	8210	3920	6650	9640	8590	30800	44000	21400	6420	2360
7. . . .	12200	10100	8290	3440	6650	9070	9850	38500	48700	20300	6750	2310
8. . . .	12000	9890	8330	3160	6820	8950	11400	42300	54900	19200	6160	2290
9. . . .	12700	9680	8290	3440	6820	8790	13400	44500	61400	18200	5330	2290
10. . . .	12600	9550	7720	4130	6860	8440	21800	45100	64700	17800	4910	3420
11. . . .	12400	12600	7220	4040	7180	8250	33600	45700	62000	18200	4650	3240
12. . . .	12300	19600	6820	4280	7540	8020	38500	46900	57500	20600	4280	2800
13. . . .	12400	18200	6480	4440	8520	8020	40600	48100	54900	20300	4090	9640
14. . . .	12300	16600	6750	4650	8870	7580	41200	49300	55600	19600	3980	9150
15. . . .	12200	14200	6480	4830	9270	7320	40100	49900	59400	18800	3890	7690
16. . . .	12200	12200	5810	5160	9270	7400	40100	52400	66100	16800	4130	6320
17. . . .	12100	11400	5390	5130	9390	7580	43400	56200	71500	15400	4280	4830
18. . . .	11800	11000	5130	5420	11300	7540	44500	58200	72800	14200	4780	4510
19. . . .	11600	10300	4910	5210	11300	7400	39000	60800	70100	13400	4700	4830
20. . . .	11600	9970	4680	5160	11000	7540	35000	61400	65400	12600	4420	4580
21. . . .	11300	9720	4830	4960	10900	7580	31200	65400	59400	11600	4680	4200
22. . . .	10800	9510	5480	4650	10700	7540	28100	65400	53600	11400	4390	3870
23. . . .	10400	9270	5840	4910	10400	7400	27200	66100	48100	11000	4350	3770
24. . . .	10300	9110	6160	5160	10200	7140	29000	64700	44500	10100	4130	3700
25. . . .	10100	8870	6160	5540	10000	7180	32600	64000	41200	9270	3810	3770
26. . . .	10300	8670	5840	5450	10300	7220	35000	61400	39000	8520	3500	3850
27. . . .	11400	8480	5690	5240	11300	7140	37500	58800	37500	8100	3360	3850
28. . . .	11600	8250	5630	4990	11300	7220	36500	56800	35500	8180	3100	3790
29. . . .	10900	8250	7720	5240	11000	7000	33600	58200	34600	8140	2920	3790
30. . . .	10600	8100	9150	5510	....	8630	30800	58800	32200	8670	2800	3850
31. . . .	10300	....	9150	5510	....	9070	....	58800	....	6650	2750	....
Total	366300	325420	212360	155880	254270	254820	824800	1540100	1576100	502230	150290	120940
Mean.	11800	10800	6850	5030	8770	8220	27500	49700	52500	16200	4850	4030
Max.	13700	19600	9150	7910	11300	10200	44500	66100	72800	30400	8100	9640
Min.	10100	8100	4680	3160	5570	7000	8060	24600	32200	6650	2750	2290
A.-ft.	726000	643000	421000	309000	504000	505000	1640000	3060000	3120000	996000	298000	240000

Discharge of Colorado River at Lee's Ferry, Ariz., for Year Ending Sept. 30, 1925.
Drainage Area, . . . Square Miles. Altitude, . . . Feet Above Sea Level.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1. . . .	3840	6350	6250	1500	6000	8080	15400	19500	49000	34200	13800	16400
2. . . .	3820	6480	5870	2400	6500	7610	15900	19800	50300	31900	13000	17400
3. . . .	3800	6580	5620	2800	8500	7440	15700	20600	52300	30600	12000	18600
4. . . .	3760	6650	5590	2900	7000	7400	15800	20900	49400	30200	11000	27500
5. . . .	3740	6580	5560	3100	8500	7260	16300	22300	46200	30300	10000	29200
6. . . .	3760	6650	5470	3500	7200	7330	16500	25000	43200	30900	8930	25000
7. . . .	4200	6610	5870	4000	7330	7440	16500	29500	40700	31900	8930	24300
8. . . .	5410	6580	5840	4300	7330	7720	16600	31500	40000	33300	9050	19000
9. . . .	6580	6580	5870	4400	7190	8160	18000	32300	38800	32800	9250	16800
10. . . .	5680	6610	5930	4600	7020	8380	18800	32000	36700	31100	9290	15500
11. . . .	5560	6890	5960	4400	7090	8730	17700	31800	34800	30100	8810	14200
12. . . .	6250	6680	5960	4100	6990	15700	16600	32700	33500	28200	9010	13200
13. . . .	6650	6580	5650	3850	6990	16200	17100	33700	31600	27400	9010	12200
14. . . .	6150	6480	5350	3950	6920	15400	16900	33600	32200	25800	9830	12100
15. . . .	5900	6610	5090	4150	6890	13800	18000	33700	33300	24800	9830	12600
16. . . .	6090	6650	4810	4300	6780	12000	21500	32500	32300	23500	11200	11100
17. . . .	6320	6750	4620	4400	6750	10800	24100	32700	30600	22000	10500	11800
18. . . .	6350	6650	4700	4400	6750	9830	25900	32900	31500	19800	10400	18000
19. . . .	6220	6650	5030	4350	6850	9130	28800	32300	35000	18000	10800	15300
20. . . .	6220	6550	5180	4400	6820	8540	32400	32500	37700	16500	10100	23600
21. . . .	6610	6320	4970	4500	6850	8190	33400	33800	38100	15400	9580	18100
22. . . .	6680	6220	4270	4650	7090	8270	32500	37300	41000	15000	9290	26900
23. . . .	6720	6220	4020	4750	7260	7930	30400	41200	43700	14700	10000	24500
24. . . .	6680	6380	3400	4900	7360	7540	29000	45100	47100	15400	10000	22000
25. . . .	6890	6580	2800	4900	7540	7330	28600	44800	50400	17600	12000	18500
26. . . .	6780	6580	1500	4900	8040	7830	26900	44700	46300	18200	14800	16300
27. . . .	6850	6480	1000	4800	8040	8500	24200	48500	42600	17500	19300	14500
28. . . .	6820	6510	1200	4900	8270	9750	22200	49300	39900	15400	20800	13700
29. . . .	6280	6510	1350	5100	....	12200	20600	49200	38300	14100	19000	14000
30. . . .	6480	6550	1350	5400	....	14200	19800	47800	36300	13500	18300	13800
31. . . .	6510	....	1350	5800	....	14700	....	47700	....	14100	19800	....
Tot	179600	196510	137430	130400	201850	303340	652100	1071200	1202800	724200	367610	536100
Mean	5790	6550	4430	4210	7210	9790	21700	34600	40100	23400	11900	17900
Max.	6890	6890	6250	5800	8500	16200	33400	49300	52300	34200	20800	29200
Min.	3740	6220	1000	1500	6000	7260	15400	19500	30600	13500	8810	11100
Acre-												
ft.	356000	390000	272000	259000	400000	602000	1290000	2130000	2390000	1440000	732000	1070000

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River at Lee's Ferry, Ariz., for Year Ending Sept. 30, 1926.
Drainage Area, . . . Square Miles. Altitude, . . . Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	13000	11600	8610	6590	5090	6170	15600	47600	67090	28000	10000	4780
2.....	12200	11500	8200	6620	5060	6140	14700	48800	66300	27000	9470	4410
3.....	11200	11600	8200	6690	5330	6110	14000	50900	69700	25700	9350	4150
4.....	10500	11800	8260	6810	5550	6020	13000	50900	73600	25300	9390	3920
5.....	16500	11700	8540	6870	5870	6110	11800	52600	75000	25600	8850	3700
6.....	29700	12100	8470	6780	6200	6320	11300	55300	76000	25400	8470	3520
7.....	25500	12200	8650	6750	6290	6720	11300	59600	77500	25700	8890	3390
8.....	30600	11900	8720	6780	6320	7350	12300	67300	78000	25800	8060	3330
9.....	22500	11800	8400	6470	6410	8050	14600	70000	78500	26700	7800	3210
10.....	16700	11400	8120	6350	6440	8650	15300	64100	78000	27600	8890	3150
11.....	15900	10900	8190	6170	6290	9130	17600	59000	75500	29100	10500	4880
12.....	15700	10700	7850	6170	6350	9240	20000	53600	73400	28600	11000	7940
13.....	17100	10400	7620	6020	6380	8790	19700	47500	70600	29900	11100	7200
14.....	19700	10400	7580	6020	6500	8940	22500	42200	68100	35800	11600	7200
15.....	19200	10200	7350	5840	6780	9470	23200	38600	65800	33800	12200	5170
16.....	19300	9890	7190	5640	6780	9660	22800	35300	62900	29800	12200	4550
17.....	19700	9700	7190	5550	6780	9350	22800	33300	61400	26700	12200	6120
18.....	17100	9740	7000	5550	6910	9740	23900	32000	59900	24000	11000	4930
19.....	15600	9660	6810	5390	6870	10100	26900	33300	55800	21900	9800	4330
20.....	15000	9540	6590	5280	6750	11000	31600	35800	49500	20400	8770	4670
21.....	14400	9470	6290	5400	6840	12800	33200	38300	44400	18700	8580	4900
22.....	13800	9350	5730	5350	6660	14600	37200	41800	40700	17500	8060	4300
23.....	13300	9160	5530	5300	6470	14700	39500	48800	38600	16000	7440	4040
24.....	13200	8980	5440	5100	6440	15200	40200	58600	37200	14700	6890	3870
25.....	12800	8540	5640	5050	6320	15800	42600	64900	34700	13600	6510	3820
26.....	12800	8260	5670	5000	6380	15100	45100	71700	32400	12900	6050	4310
27.....	12500	8220	5810	4950	6260	14100	47800	76000	31400	12100	5700	6250
28.....	12500	8190	6110	5050	6260	14400	48200	81000	30700	12000	5510	8620
29.....	12300	8400	6620	4980	.....	14700	48300	84000	29200	13400	5320	7800
30.....	12000	8650	6720	4980	.....	14200	49000	77500	28500	11800	5140	6090
31.....	11800	.....	6690	4980	.....	13700	.....	71700	.....	11300	4930	.....
Total	504100	305950	224090	180480	176580	322360	795400	1692000	1738000	696800	269670	148550
Mean	16300	10200	7230	5820	6310	10400	26500	54600	57700	22500	8700	4950
Max.	30600	12200	8720	6870	6910	15800	49000	84000	78500	35800	12200	8620
Min.	10500	8190	5440	4950	5060	6020	11300	32000	28500	11300	4930	3150
Ac.-ft.	1000000	607000	445000	358000	350000	640000	1580000	3360000	3430000	1380000	535000	295000

Discharge of Fraser River near West Portal for Year Ending Sept. 30, 1925.
Drainage Area, 27.6 Square Miles. Altitude, 9,500 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	12	12	12	10	9	.....	12	45	180	94	30	45
2.....	13	15	12	10	9	.....	11	45	152	98	31	50
3.....	14	15	12	10	9	.....	11	45	134	91	28	56
4.....	14	15	12	10	9	.....	12	45	122	82	32	53
5.....	15	16	12	10	9	.....	13	44	120	82	30	61
6.....	16	16	12	10	10	.....	14	46	143	78	33	56
7.....	16	16	12	10	10	.....	15	46	138	77	31	65
8.....	21	16	12	10	9	.....	15	45	134	71	28	96
9.....	19	16	11	10	8	.....	16	44	128	68	28	67
10.....	18	16	11	10	8	.....	16	45	124	65	29	61
11.....	18	16	11	10	8	.....	16	46	134	64	31	56
12.....	18	15	10	10	8	.....	18	48	130	61	34	53
13.....	18	15	10	10	8	.....	21	51	130	60	35	53
14.....	20	17	10	10	8	.....	29	52	163	57	32	56
15.....	18	15	10	10	8	.....	10	58	190	58	28	42
16.....	18	15	10	10	8	.....	51	62	173	61	29	37
17.....	18	14	10	10	8	.....	52	66	168	64	28	36
18.....	16	14	10	10	8	.....	11	71	175	65	28	36
19.....	14	13	10	10	8	.....	42	87	196	72	32	36
20.....	15	12	10	9	8	.....	45	122	193	65	34	36
21.....	15	12	10	9	8	.....	48	118	196	60	33	36
22.....	15	11	10	9	7	.....	44	122	180	57	36	35
23.....	15	11	10	9	7	.....	40	130	170	53	38	35
24.....	15	10	10	9	7	.....	37	130	152	42	36	34
25.....	14	10	10	9	7	.....	49	126	141	38	38	34
26.....	15	10	10	9	7	.....	46	130	134	40	40	33
27.....	14	11	10	9	7	.....	46	130	116	38	42	32
28.....	14	11	10	9	7	.....	48	148	109	37	37	31
29.....	14	11	10	9	.....	11	48	152	105	34	53	30
30.....	12	11	10	9	.....	12	46	156	98	36	50	28
31.....	11	.....	10	9	.....	13	.....	180	.....	31	48	.....
Total	415	405	329	298	227	248	915	2638	4422	1899	1062	1379
Mean	15.6	13.5	10.6	9.61	8.11	8	31.5	85.1	147	61.3	34.3	46.0
Max.	21	16	12	10	10	13	52	180	196	98	53	96
Min.	11	10	10	9	.....	.....	11	44	98	31	28	28
Acres-ft.	959	803	652	591	450	492	1870	5230	8750	3770	2110	2740

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Fraser River near West Portal for Year Ending Sept. 30, 1926.
Drainage Area, 27.6 Square Miles. Altitude, 9,500 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	28	25	15	8	8	9	10	54	201	227	59	26
2....	28	25	14	8	9	8	9	60	229	210	58	25
3....	26	25	14	7	8	8	9	69	241	201	59	26
4....	26	24	13	7	8	8	9	71	256	192	53	26
5....	27	24	14	7	8	9	9	54	263	195	52	26
6....	31	24	13	6	8	10	9	49	310	192	65	24
7....	27	24	13	6	8	10	9	49	349	197	63	22
8....	26	24	13	5	8	10	10	51	338	192	60	21
9....	27	24	13	5	8	9	11	54	324	190	62	20
10....	26	24	13	5	8	9	12	54	307	184	59	21
11....	26	24	13	6	8	8	14	56	302	170	56	21
12....	26	24	13	6	8	8	14	58	296	148	52	21
13....	26	24	12	6	8	8	11	62	290	139	50	21
14....	26	13	12	6	8	8	12	64	282	126	48	20
15....	26	15	12	7	7	9	14	64	282	123	46	20
16....	26	15	12	7	7	9	18	66	270	117	45	20
17....	25	15	12	6	7	10	20	69	236	107	44	20
18....	24	14	11	6	7	10	21	71	215	102	42	20
19....	25	14	11	6	7	9	21	76	222	99	41	20
20....	25	14	10	5	7	8	26	76	212	94	39	20
21....	25	14	10	5	7	8	24	92	195	93	38	20
22....	25	14	10	5	7	9	22	156	186	88	37	20
23....	25	14	9	5	7	9	21	186	190	80	37	19
24....	25	14	9	5	7	9	24	208	203	79	33	19
25....	25	14	8	5	7	9	31	220	206	79	32	19
26....	25	14	7	8	8	10	36	220	222	74	32	20
27....	25	15	7	8	11	10	37	208	215	74	29	20
28....	25	15	7	7	8	10	44	192	210	77	27	21
29....	25	15	7	8	....	10	46	173	208	70	27	20
30....	25	15	7	8	....	10	52	173	201	63	27	21
31....	25	....	7	8	....	10	....	181	....	59	26	....
Total	802	559	341	197	218	281	605	3236	7461	3971	1398	639
Mean.	25.9	18.6	11.0	6.35	7.79	9.06	20.2	104	249	128	45.1	21.3
Max..	31	25	15	8	11	10	52	220	349	227	65	26
Min..	24	13	7	5	7	8	9	49	186	59	26	19
Acre-ft.	1590	1110	676	390	433	557	1200	6400	14800	7870	2770	1270

Discharge of Blue River at Dillon for Year Ending Sept. 30, 1925.
Drainage Area, 129 Square Miles. Altitude, 8,815 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	56	56	....	....	....	....	40	102	360	219	103	112
2....	56	54	....	....	....	....	36	107	322	219	100	103
3....	56	54	....	....	....	....	36	116	280	225	97	103
4....	58	54	....	....	....	....	40	122	244	222	94	130
5....	58	54	....	....	....	....	44	128	225	210	103	136
6....	57	54	....	....	....	....	42	130	231	216	120	126
7....	50	53	....	....	....	....	46	136	251	210	112	122
8....	63	53	....	....	....	....	46	143	244	196	105	124
9....	62	....	....	....	....	....	50	151	225	182	105	112
10....	62	....	....	....	....	....	50	154	216	170	103	105
11....	63	....	....	....	....	....	60	151	240	172	105	100
12....	65	....	....	....	....	....	59	151	265	182	118	95
13....	64	....	....	....	....	....	65	154	244	177	122	95
14....	63	....	....	....	....	....	70	154	225	175	122	97
15....	62	....	....	....	....	....	77	163	234	165	116	102
16....	62	....	....	....	....	....	88	163	295	156	112	102
17....	63	....	....	....	....	....	98	165	314	156	103	97
18....	64	....	....	....	....	....	111	154	306	163	102	94
19....	65	....	....	....	....	....	102	163	322	163	111	91
20....	69	....	....	....	....	....	92	199	318	151	102	88
21....	68	....	....	....	....	....	98	251	331	165	105	87
22....	66	....	....	....	....	....	105	295	365	165	120	84
23....	65	....	....	....	....	....	102	306	343	154	124	84
24....	65	....	....	....	....	....	95	303	314	154	114	84
25....	64	....	....	....	....	....	95	310	287	138	114	87
26....	63	....	....	....	....	....	94	306	269	132	132	91
27....	63	....	....	....	....	....	95	306	254	124	188	91
28....	62	....	....	....	....	....	97	303	240	116	172	90
29....	62	....	....	....	....	....	100	327	231	111	175	87
30....	60	....	....	....	....	....	98	356	225	107	158	83
31....	58	....	....	....	....	....	....	374	....	103	140	....
Total	1923	....	....	....	....	....	2231	6343	8220	5198	3697	3002
Mean.	62.0	49.0	....	....	....	....	74.4	205	274	168	119	100
Max..	69	....	....	....	....	....	111	374	365	225	188	136
Min..	56	....	....	....	....	....	....	102	216	103	94	83
Acre-ft.	3810	2920	....	....	....	....	4430	12600	16300	10300	7320	5950

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Blue River at Dillon for Year Ending Sept. 30, 1926.
Drainage Area, 129 Square Miles. Altitude, 8,815 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	80	62	....	....	....	....	36	202	625	536	170	90
2....	77	62	....	....	....	....	30	231	699	506	165	88
3....	74	63	....	....	....	....	30	276	745	478	163	85
4....	74	62	....	....	....	....	30	348	817	489	168	84
5....	73	59	....	....	....	....	30	379	908	461	175	84
6....	71	56	....	....	....	....	30	421	916	467	177	85
7....	74	56	....	....	....	....	30	365	1050	500	196	84
8....	78	56	....	....	....	....	34	314	995	495	196	81
9....	77	56	....	....	....	....	38	280	977	495	213	78
10....	76	54	....	....	....	....	40	251	900	450	234	77
11....	74	54	....	....	....	....	45	231	874	431	219	76
12....	73	54	....	....	....	....	45	213	858	445	196	73
13....	73	54	....	....	....	....	38	196	874	426	172	73
14....	73	54	....	....	....	....	42	190	858	388	154	71
15....	73	52	....	....	....	....	50	202	817	374	143	71
16....	74	50	....	....	....	....	78	237	784	361	138	69
17....	73	48	37	....	....	....	84	280	684	343	132	68
18....	73	45	....	....	....	....	90	295	599	335	128	68
19....	71	42	....	....	....	....	90	291	566	331	122	65
20....	70	42	....	28	....	....	108	318	548	318	122	65
21....	70	42	....	....	....	....	102	393	530	306	116	65
22....	69	42	....	....	....	....	100	472	495	287	116	65
23....	69	42	....	....	....	....	98	548	467	262	116	65
24....	65	42	....	....	....	....	102	606	467	254	114	63
25....	63	42	....	....	....	31	107	722	484	262	107	60
26....	58	45	....	....	....	....	118	737	478	247	102	59
27....	63	45	....	....	....	....	128	669	484	231	97	60
28....	63	45	....	....	....	....	149	592	489	222	95	60
29....	68	45	....	....	....	....	156	506	506	199	94	60
30....	66	45	....	....	....	....	175	512	548	190	94	59
31....	63	....	....	....	....	....	....	554	....	180	92	....
Total	2198	1516	....	....	....	....	2233	11831	21042	11269	4526	2151
Mean	70.9	50.5	39	28	29	30	74.4	382	701	364	146	71.7
Max.	80	63	....	....	....	....	175	737	1050	536	234	90
Min.	58	....	....	....	....	....	....	190	467	180	92	59
Acre-ft.	4360	3000	2400	1720	1610	1840	4430	23500	41700	22400	8980	4270

Discharge of Eagle River at Redcliff for Year Ending Sept. 30, 1925.
Drainage Area, 74 Square Miles. Altitude, 8,598 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	19	18	20	14	11	11	34	93	252	84	25	23
2....	20	19	18	12	12	12	35	104	240	87	24	24
3....	25	21	17	15	11	13	29	129	225	79	24	29
4....	9	25	16	14	11	14	28	133	208	76	27	26
5....	7	26	15	13	12	14	35	147	197	76	26	24
6....	7	22	14	12	11	17	40	135	180	72	26	20
7....	9	11	16	13	11	14	36	135	171	64	25	20
8....	22	12	15	13	11	13	28	153	162	57	25	20
9....	27	16	14	14	12	13	29	145	151	56	26	23
10....	26	17	14	12	10	12	34	149	141	58	29	22
11....	26	16	15	12	11	12	43	151	137	64	36	22
12....	25	16	15	14	10	12	49	135	151	64	29	22
13....	23	16	14	13	10	13	58	137	143	57	24	25
14....	26	15	14	12	10	12	71	158	139	48	22	28
15....	26	15	14	12	11	12	73	164	133	42	21	24
16....	26	17	16	13	10	11	75	155	139	41	22	24
17....	26	17	14	12	10	10	79	147	141	41	21	22
18....	29	17	14	12	11	9	76	131	139	36	21	24
19....	28	16	12	11	11	9	73	195	143	36	23	24
20....	24	18	12	13	11	10	71	255	135	42	22	22
21....	26	18	12	13	11	9	71	272	143	49	27	22
22....	24	18	13	13	11	13	73	208	137	49	24	22
23....	24	18	11	12	11	16	66	294	131	47	25	25
24....	25	17	12	12	10	19	66	286	123	42	25	26
25....	24	17	11	12	10	22	69	272	112	36	27	24
26....	26	17	11	11	11	22	68	266	105	33	26	24
27....	27	16	11	12	10	22	73	255	107	32	25	23
28....	24	18	11	12	10	19	65	252	105	29	24	22
29....	21	16	12	12	....	26	61	246	97	26	23	22
30....	22	17	11	12	....	36	68	255	89	25	24	21
31....	19	....	14	11	....	36	....	258	....	24	23	....
Total	695	522	428	388	301	483	1676	5915	4476	1572	771	699
Mean	22.4	17.4	13.8	12.5	10.8	15.6	55.9	191	149	50.7	24.9	23.3
Max.	29	26	20	15	12	36	79	308	252	87	36	29
Min.	7	11	11	11	10	9	28	93	89	24	21	20
Acre-ft.	1380	1040	848	769	600	959	3330	11700	8870	3120	1530	1390

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Roaring Fork at Glenwood Springs for Year Ending Sept. 30, 1925.
Drainage Area, 1,460 Square Miles. Altitude, 5,747 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	556	556	450	375	379	366	626	1560	4400	3740	1240	1330
2....	568	556	455	375	379	384	606	1730	3540	3440	1120	1330
3....	580	550	482	375	374	402	580	2040	2980	3160	1060	1500
4....	568	550	465	375	379	397	612	2040	2590	3070	1120	1730
5....	568	544	450	375	384	406	705	2170	2900	3250	1180	1730
6....	556	580	455	375	374	430	780	1910	2740	3070	1000	1560
7....	574	526	465	375	397	465	705	1790	2520	2900	920	1440
8....	720	498	420	375	362	520	612	1980	2300	2740	881	1330
9....	675	532	445	375	402	509	600	1980	2300	2590	872	1300
10....	675	574	410	375	379	455	645	1910	2520	2520	1010	1230
11....	675	556	435	370	358	425	796	2040	3070	2980	1440	1170
12....	638	520	455	370	397	430	1040	1980	2900	2820	1620	1130
13....	619	550	460	370	420	455	1220	1910	2520	2520	1790	1120
14....	632	520	440	370	406	425	1330	2170	2590	2440	1620	1160
15....	645	532	430	370	379	415	1500	2170	3740	2240	1440	1170
16....	668	538	445	370	370	440	1730	1980	4640	2100	1310	1090
17....	668	538	465	370	350	435	1850	1980	5140	2040	1180	1050
18....	705	538	430	370	370	420	1910	2380	4760	1910	1090	1170
19....	737	580	397	370	370	425	1620	3250	5140	1790	1130	2240
20....	698	550	362	370	384	445	1390	4070	5800	1980	1250	1910
21....	660	538	380	390	397	465	1390	5010	6640	2440	1240	1560
22....	638	526	380	390	388	470	1560	4400	8040	2590	1150	1390
23....	632	520	380	390	370	520	1390	4520	6640	2380	1180	1330
24....	606	498	380	390	397	593	1240	5010	5800	2040	1220	1320
25....	593	450	380	390	379	593	1080	4880	5140	1910	1330	1270
26....	586	482	380	390	384	593	1050	4760	4640	1790	1330	1220
27....	574	460	380	390	370	606	1100	4400	4400	1680	1500	1180
28....	556	482	380	390	392	619	1100	5140	3960	1560	1680	1120
29....	556	455	380	390	....	612	1220	5660	3850	1440	1680	1070
30....	574	450	380	390	....	645	1330	5800	3740	1440	1560	1020
31....	538	....	380	415	....	606	....	6360	....	1330	1440	....
Total	19238	15749	12996	11765	10690	14971	33317	98980	121940	73900	39583	40170
Mean.	621	525	419	380	382	483	1110	3190	4060	2380	1280	1340
Max.	737	580	482	....	420	645	1910	6360	8040	3740	1790	2240
Min.	538	450	....	....	350	366	580	1560	2300	1330	872	1020
Acre-ft.	38200	31200	25800	23400	21200	29700	66000	196000	242000	146000	78700	79700

Discharge of Roaring Fork at Glenwood Springs for Year Ending Sept. 30, 1926.
Drainage Area, 1,460 Square Miles. Altitude, 5,747 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	990	805	586	432	390	346	370	2100	3390	3800	1150	523
2....	960	796	586	402	374	352	395	2100	3240	3450	1100	511
3....	920	852	593	394	360	360	386	2520	3110	2970	1080	511
4....	890	834	532	386	363	370	394	2950	3800	3060	1110	529
5....	940	754	580	363	363	382	402	3430	6620	3430	1300	565
6....	1250	746	580	378	356	366	419	3430	7540	3450	1250	578
7....	1200	805	568	370	370	338	517	2610	8440	4240	1270	578
8....	1090	805	520	374	370	352	572	2230	7510	5120	1290	578
9....	1050	788	509	386	370	374	529	1900	7590	4750	1300	600
10....	1040	780	480	363	363	382	517	1670	6890	3840	1260	580
11....	1200	771	455	378	370	386	535	1450	6860	3530	1240	541
12....	1140	762	440	356	360	398	529	1310	7110	3340	1100	530
13....	1070	754	430	352	363	394	565	1190	6970	3110	950	525
14....	1020	754	420	370	363	382	584	1130	6280	2880	825	500
15....	980	698	400	370	349	402	591	1300	6060	2640	807	520
16....	970	690	352	398	378	419	679	1410	6090	2440	780	540
17....	1000	660	390	398	360	446	880	1630	4870	2330	764	565
18....	970	619	394	395	356	475	1110	1750	4170	2260	748	591
19....	930	606	437	398	338	475	1220	1800	4190	2160	732	595
20....	900	606	442	400	370	475	1270	2210	4370	2080	715	590
21....	881	580	419	390	374	465	1260	2950	4260	2030	700	585
22....	872	580	424	370	342	446	1370	3760	3780	1860	693	575
23....	881	600	432	338	363	455	1590	4100	3760	1750	686	550
24....	900	600	432	342	335	500	1610	5000	4130	1710	651	535
25....	843	606	424	428	366	495	1450	5500	4330	1680	617	517
26....	852	586	394	398	346	446	1670	6000	3950	1580	604	505
27....	843	580	390	398	335	442	1800	5100	4020	1500	591	540
28....	843	580	390	330	346	414	1800	4250	4060	1450	578	500
29....	852	580	402	370	....	424	1940	3840	4020	1360	565	510
30....	852	580	363	394	....	410	2170	3740	3740	1280	553	520
31....	824	....	360	374	....	385	....	3610	....	1200	535	....
Total	29953	20754	14124	11795	10093	12756	29124	87970	155150	82280	27554	16387
Mean.	966	692	456	380	360	411	971	2840	5170	2650	889	546
Max.	1250	852	593	432	390	500	2170	6000	8440	5120	1300	600
Min.	824	580	352	330	335	338	370	1130	3110	1200	535	500
Acre-ft.	59400	41200	28000	23400	20000	25300	57800	175000	308000	163000	54700	32500

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Parachute Creek at Grand Valley for Year Ending Sept. 30, 1925.
Drainage Area, 196 Square Miles. Altitude, 5,105 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	4	12	....	....	....	14	44	1.4	1.4	.5	4	2.4
2....	4	12	10	....	....	14	33	1.1	1.4	1.4	12	2.4
3....	7	12	....	....	....	14	38	1.4	1.4	.7	12	2.4
4....	7	12	....	....	....	17	44	2.4	1.2	.8	24	2.4
5....	12	12	....	....	....	17	74	4	1.3	.9	2.4	2.4
6....	12	12	....	....	....	17	58	7	1.3	.6	1.4	7
7....	12	12	....	....	....	17	66	13	4	.5	1.4	9.5
8....	12	12	....	....	....	28	61	17	17	.5	1.4	12
9....	12	12	....	....	....	33	66	17	17	.5	1.4	6.7
10....	12	12	....	....	....	24	61	17	14	.5	4	6.4
11....	12	12	....	....	....	17	72	17	12	4.0	4	6.4
12....	12	12	....	....	....	14	51	17	12	1.9	1.4	6.7
13....	12	12	....	....	....	14	66	17	16	.5	1.4	12
14....	12	12	....	....	....	12	61	17	9.5	.3	.8	12
15....	12	12	....	....	....	12	71	20	8	.5	.8	11
16....	12	12	....	....	....	12	78	18	7	.5	.8	9.5
17....	12	12	....	....	....	12	74	18	7	.5	.8	8
18....	12	12	....	....	....	12	74	20	7	.5	.8	8
19....	12	12	....	....	....	12	69	17	7	.7	.8	13
20....	12	12	....	....	....	12	58	12	3.8	33	.8	12
21....	12	12	....	....	....	12	44	12	3.8	1.4	1.6	14
22....	12	12	....	....	....	14	43	12	2.7	.6	.8	12
23....	12	12	....	....	....	17	24	7	2.4	.6	.8	12
24....	12	12	....	....	....	17	23	5.5	.9	.6	.8	12
25....	12	12	....	....	....	23	23	4	.9	.5	.8	12
26....	12	12	....	....	....	17	10	3.2	.7	.5	.8	12
27....	12	12	....	....	....	17	2.4	2.4	.5	.5	.8	12
28....	12	12	....	....	....	28	1.4	2.4	.5	.5	12	11
29....	12	12	....	....	....	33	1.4	2.4	.5	.5	12	11
30....	12	12	....	....	....	38	1.4	1.8	.3	.5	2.4	11
31....	12	....	....	....	....	38	....	1.3	....	.5	2.4	....
Total	346	360	....	....	....	578	1393.6	308.3	162.5	62.3	111.6	314.4
Mean	11.2	12	9	....	....	18.6	46.5	9.95	5.42	2.01	3.60	10.5
Max.	12	12	....	....	....	38	78	20	17	33	24	24
Min.	4	....	....	....	....	12	1.4	1.1	0.3	0.3	.8	2.4
Acres-ft.	689	714	553	....	....	1140	2770	612	323	124	221	625

Discharge of Parachute Creek at Grand Valley for Year Ending Sept. 30, 1926.
Drainage Area, 196 Square Miles. Altitude, 5,105 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	12	44	....	....	....	17	24	140	24	1	4	0
2....	12	44	....	....	....	17	26	103	24	1	2	0
3....	12	51	....	....	....	17	58	88	24	1	2	0
4....	12	58	....	....	....	17	77	88	24	1	2	0
5....	12	58	....	....	....	17	33	83	24	2	4	0
6....	12	58	....	....	....	17	58	74	17	1	24	0
7....	12	58	....	....	....	17	74	74	17	1	7	0
8....	12	58	....	....	....	17	74	92	17	1	4	0
9....	12	58	....	....	....	20	66	103	18	1	4	0
10....	12	58	....	....	....	20	58	88	17	1	4	0
11....	24	58	....	....	....	20	58	74	17	1	4	0
12....	24	58	....	....	....	24	71	74	17	2	2	0
13....	17	58	....	....	....	33	71	66	24	20	2	0
14....	12	58	....	....	....	33	78	66	28	4	2	1
15....	12	58	....	....	....	33	88	58	20	4	0	2
16....	16	58	....	....	....	24	88	58	12	2	0	0
17....	16	58	....	....	....	26	96	58	7	1	0	0
18....	12	58	....	....	....	24	96	44	7	1	0	0
19....	12	58	....	....	....	24	119	44	7	1	0	0
20....	12	58	....	....	....	28	140	44	4	1	0	0
21....	12	58	....	....	....	26	154	44	4	1	0	0
22....	12	58	....	....	....	24	190	42	2	1	0	0
23....	17	58	....	....	....	28	211	33	2	1	0	0
24....	17	58	....	....	....	38	211	33	2	1	1	2
25....	17	58	....	....	....	24	211	33	2	1	0	2
26....	24	58	....	....	....	24	196	31	1	1	0	3
27....	24	58	....	....	....	24	226	28	1	1	0	4
28....	28	58	....	....	....	24	196	26	1	1	0	7
29....	33	58	....	....	....	17	211	24	1	1	0	7
30....	33	58	....	....	....	20	127	20	1	1	0	33
31....	33	....	....	....	....	18	....	18	....	1	0	....
Total	527	1705	....	....	....	712	3380	1851	366	59	68	61
Mean	17.0	56.8	....	....	....	23.0	113	59.7	12.2	1.90	2.19	2.03
Max.	33	58	....	....	....	38	226	140	28	20	24	33
Min.	12	44	....	....	....	17	24	18	1	1	0	0
Acres-ft.	1050	3380	....	....	....	1410	6720	3670	726	117	135	121

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Roan Creek Near De Beque for Year Ending Sept. 30, 1925.
Drainage Area, 210 Square Miles. Altitude, 4,935 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	23	21	....	....	....	18	25	17	25	24	20	33
2....	24	22	25	....	....	25	24	16	24	56	19	26
3....	23	22	....	....	....	28	24	18	24	56	20	20
4....	22	23	....	....	....	28	28	23	26	41	22	21
5....	23	24	....	....	....	30	36	30	27	31	21	25
6....	23	25	....	....	....	30	34	27	27	25	20	24
7....	23	24	....	....	....	34	35	25	27	22	20	26
8....	27	23	....	....	....	43	33	28	28	20	19	27
9....	23	23	....	....	....	30	33	30	32	19	19	26
10....	22	27	....	....	....	25	36	31	31	20	19	25
11....	22	27	....	....	....	25	42	32	30	20	24	25
12....	23	24	....	....	....	21	43	32	28	19	36	26
13....	22	23	....	....	....	22	45	30	28	18	41	28
14....	22	22	....	....	....	20	47	25	28	18	30	27
15....	24	23	....	....	....	19	45	22	25	17	24	26
16....	24	22	....	....	....	20	45	23	26	17	23	26
17....	24	22	....	....	....	20	47	24	25	16	21	26
18....	22	22	....	....	....	21	47	22	23	18	21	26
19....	23	23	....	....	....	21	47	24	22	22	22	25
20....	23	22	....	....	....	22	45	24	23	35	24	24
21....	24	21	....	....	....	24	47	26	22	32	21	20
22....	23	21	....	....	....	25	47	25	24	24	21	20
23....	22	20	....	....	....	25	42	25	24	23	20	20
24....	23	21	....	....	....	25	35	24	23	20	24	22
25....	22	21	....	....	....	25	31	24	23	19	19	23
26....	20	22	....	....	....	25	23	24	22	20	18	24
27....	18	21	....	....	....	25	22	25	22	19	20	25
28....	17	22	....	....	....	27	19	25	22	19	28	24
29....	18	22	....	....	....	25	21	25	20	18	24	22
30....	19	21	....	....	....	27	20	23	23	18	22	22
31....	20	....	....	....	....	26	....	24	....	18	21	....
Total	688	676	....	....	....	781	1068	773	754	744	703	734
Mean.	22.2	22.5	21	18	21	25.2	35.6	24.9	25.1	24.0	22.7	24.5
Max..	27	27	....	....	....	43	47	32	32	56	41	33
Min..	17	20	....	....	....	18	19	16	20	16	18	20
Acre-ft.	1360	1340	1290	1110	1170	1550	2120	1530	1490	1480	1400	1460

Discharge of Roan Creek Near De Beque for Year Ending Sept. 30, 1926.
Drainage Area, 210 Square Miles. Altitude, 4,935 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	18	19	....	....	....	16	16	193	36	21	19	16
2....	16	20	....	....	....	16	17	179	36	21	17	16
3....	15	20	....	....	....	16	17	175	36	21	17	16
4....	16	21	....	....	....	17	17	166	32	29	14	16
5....	27	19	....	....	....	26	36	157	32	32	14	14
6....	33	19	....	....	....	20	36	157	32	26	16	14
7....	23	19	....	....	....	15	56	148	36	62	16	14
8....	21	18	....	....	....	21	75	148	34	32	14	14
9....	20	18	....	....	....	21	50	140	32	24	14	14
10....	23	18	....	....	....	24	40	114	32	24	16	14
11....	32	19	....	....	....	29	68	114	32	62	17	14
12....	30	19	....	....	....	29	68	98	31	36	19	14
13....	28	19	....	....	....	29	75	90	31	36	19	14
14....	26	18	....	....	....	32	75	82	31	32	19	14
15....	24	17	....	....	....	36	82	82	31	32	19	16
16....	22	18	....	....	....	50	90	75	31	32	19	14
17....	21	18	....	....	....	50	98	75	31	32	17	14
18....	21	17	....	....	....	50	98	62	31	26	17	14
19....	20	17	....	....	....	50	98	50	31	21	17	14
20....	20	17	....	....	16	40	106	40	31	21	16	13
21....	20	17	....	....	16	45	106	40	31	21	16	12
22....	19	18	....	....	15	50	123	40	30	21	16	12
23....	19	18	....	....	16	56	148	32	29	17	16	12
24....	19	18	....	....	15	21	157	32	29	16	14	13
25....	19	18	....	....	15	19	166	32	29	16	14	13
26....	18	18	....	....	15	17	166	40	26	14	14	13
27....	18	18	....	....	15	17	161	40	26	14	14	14
28....	18	19	....	....	16	16	157	32	26	148	14	14
29....	17	19	....	....	....	16	175	36	26	24	14	14
30....	18	19	....	....	....	16	179	50	21	21	14	14
31....	18	....	....	....	....	16	....	62	....	19	14	....
Total	659	552	....	....	....	876	2756	2781	922	953	496	420
Mean.	21.3	18.4	....	....	15	28.3	91.9	89.7	30.7	30.7	16.0	14.0
Max..	33	21	....	....	....	56	179	193	36	148	19	16
Min..	15	17	....	....	....	15	16	32	21	14	14	12
Acre-ft.	1310	1090	....	....	833	1740	5470	5520	1830	1890	984	420

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Plateau Creek Near Collbran for Year Ending Sept. 30, 1925.
Drainage Area, 83 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	12	15	....	....	....	15	35	327	224	30	16	52
2....	14	17	....	....	....	15	27	437	219	34	17	52
3....	13	20	....	....	....	15	27	542	178	31	16	84
4....	15	19	....	....	....	15	39	564	185	29	15	77
5....	13	18	31	....	....	15	49	564	258	37	14	55
6....	12	14	....	....	....	15	44	498	219	34	20	33
7....	13	13	....	....	....	15	33	586	191	27	14	30
8....	22	25	....	....	....	15	33	586	182	27	12	29
9....	19	26	....	....	....	15	39	477	212	29	14	25
10....	17	26	....	....	....	15	66	477	205	31	20	22
11....	15	26	....	....	....	14	100	448	196	43	42	19
12....	16	25	....	....	....	14	139	380	187	43	49	18
13....	16	25	....	....	....	13	160	448	160	25	18	37
14....	18	25	....	....	....	13	174	448	155	24	15	45
15....	24	25	....	....	....	13	224	330	151	24	15	29
16....	24	26	....	....	....	12	256	351	142	23	14	23
17....	23	26	....	....	....	12	307	456	134	22	12	22
18....	26	26	....	....	....	12	300	520	134	21	10	102
19....	18	26	....	....	....	13	245	520	111	23	11	477
20....	13	26	....	....	....	13	196	477	107	37	21	138
21....	15	24	....	....	....	14	205	433	110	66	24	96
22....	18	26	....	....	....	15	219	380	115	88	43	81
23....	16	28	....	....	....	17	171	344	90	34	84	84
24....	14	28	....	....	....	20	146	284	75	32	160	84
25....	11	28	....	....	....	21	135	229	59	26	115	55
26....	12	28	....	....	....	24	135	212	51	20	61	42
27....	14	30	....	....	....	24	155	205	41	15	46	35
28....	14	30	....	....	....	22	171	196	39	14	51	33
29....	14	30	....	....	....	24	214	189	36	14	45	33
30....	11	30	....	....	....	35	240	182	31	15	33	33
31....	14	....	....	....	....	33	....	210	....	15	24	....
Total	496	731	....	....	....	528	4284	12300	4197	933	1051	1945
Mean.	16.0	24.4	25	21	18	17.0	143	397	140	30.1	33.9	64.8
Max..	26	....	....	....	....	35	307	586	258	88	160	477
Min..	11	14	....	....	....	12	27	182	31	14	10	18
Acre-ft.	984	1450	1540	1290	1000	1050	8510	24400	8330	1850	2080	3860

Discharge of Plateau Creek Near Collbran for Year Ending Sept. 30, 1926.
Drainage Area, 83 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	31	39	....	....	....	....	29	452	928	105	22	7
2....	24	40	....	....	....	....	30	484	995	93	25	8
3....	20	40	....	....	21	....	27	536	960	67	28	10
4....	19	42	....	....	....	....	29	590	804	66	33	14
5....	85	43	....	....	....	....	32	647	686	85	33	18
6....	322	40	....	....	....	....	38	565	804	161	27	12
7....	175	37	....	....	....	....	42	435	632	304	17	14
8....	115	36	....	....	....	....	46	348	580	151	22	16
9....	88	37	....	....	....	....	51	260	555	101	20	12
10....	113	40	....	....	....	....	56	224	470	73	20	10
11....	161	39	....	....	....	....	60	206	386	64	22	12
12....	129	38	....	....	....	....	56	202	418	67	30	14
13....	120	33	....	....	....	....	51	197	402	51	18	11
14....	114	33	....	....	....	....	57	211	311	42	13	10
15....	106	33	....	....	....	....	80	298	258	38	10	10
16....	109	36	....	....	....	....	103	418	224	38	8	11
17....	91	29	....	....	....	....	131	493	204	34	10	12
18....	82	43	....	....	....	....	155	498	175	31	14	7
19....	84	82	....	....	....	....	182	632	163	31	12	5
20....	86	78	....	....	....	....	175	865	148	28	12	4
21....	63	72	....	....	....	....	192	960	129	28	13	3
22....	63	72	....	....	....	....	221	995	120	25	14	4
23....	72	76	....	....	....	....	263	960	115	21	17	5
24....	67	81	....	....	....	....	272	960	105	19	16	6
25....	60	83	....	....	....	....	285	995	99	18	16	8
26....	63	82	....	....	....	....	326	877	91	17	14	11
27....	56	79	....	....	....	....	370	928	84	23	11	16
28....	55	80	....	....	....	38	386	786	80	31	9	14
29....	61	81	....	....	....	28	418	697	91	25	9	11
30....	45	82	....	....	....	27	452	686	112	26	7	18
31....	40	....	....	....	....	27	....	834	....	23	7	....
Total	2710	1626	....	....	....	....	4615	18239	11129	1886	529	313
Mean.	87.4	54.2	....	....	23	28	154	588	371	60.8	17.1	10.4
Max..	322	83	....	....	....	....	452	995	995	304	33	18
Min..	19	29	....	....	....	....	27	197	80	17	7	3
Acre-ft.	5370	3230	....	....	1280	1720	9160	36200	22100	3740	1050	619

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Buzzard Creek Near Collbran for Year Ending Sept. 30, 1925.
Drainage Area, 136 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	1	6	....	....	....	8	81	197	92	24	5	8
2....	2	7	....	....	....	8	54	240	89	31	4	8
3....	3	7	....	....	....	8	68	261	82	34	6	11
4....	2	7	....	....	....	8	96	240	80	31	5	18
5....	2	7	18	....	....	9	120	261	99	31	5	26
6....	2	10	....	....	....	8	90	213	94	24	3	21
7....	3	11	....	....	....	7	66	220	94	23	2	14
8....	6	10	....	....	....	8	53	247	86	20	2	13
9....	12	11	....	....	....	10	75	208	76	22	2	11
10....	7	12	....	....	....	8	107	183	70	22	3	8
11....	7	12	....	....	....	9	136	179	69	28	4	7
12....	7	12	....	....	....	11	156	154	70	24	10	6
13....	6	12	....	....	....	12	170	156	62	25	17	6
14....	5	12	....	....	....	12	163	187	57	17	13	6
15....	5	12	....	....	....	11	201	154	50	10	6	7
16....	5	13	....	....	....	11	227	136	46	6	5	8
17....	6	13	....	....	....	12	260	152	42	4	4	7
18....	6	13	....	....	....	12	269	172	38	3	3	7
19....	8	13	....	....	....	11	200	180	34	3	3	50
20....	8	13	....	....	....	14	156	174	31	4	3	37
21....	7	14	....	....	....	19	162	180	28	17	3	22
22....	7	14	....	....	....	22	197	150	24	31	3	22
23....	6	14	....	....	....	41	148	130	21	24	6	24
24....	5	14	....	....	....	53	131	113	18	10	11	25
25....	4	14	....	....	....	81	113	86	15	8	26	28
26....	4	16	....	....	....	79	126	97	12	7	24	24
27....	4	16	....	....	....	70	160	80	8	7	28	20
28....	4	16	....	....	....	55	164	78	10	6	22	16
29....	5	16	....	....	....	92	192	76	12	6	15	15
30....	7	16	....	....	....	89	180	74	18	6	12	14
31....	7	....	....	....	....	72	....	79	....	5	10	....
Total	163	363	....	....	....	870	4321	5057	1527	533	265	489
Mean.	5.26	12.1	16	14	11	28.1	144	163	50.9	17.2	8.55	16.3
Max..	12	....	....	....	....	92	269	261	99	44	28	50
Min...	1	6	....	....	....	7	53	74	8	3	2	6
Acre-ft.	322	720	984	861	611	1730	8570	10000	3030	1060	526	970

Discharge of Buzzard Creek Near Collbran for Year Ending Sept. 30, 1926.
Drainage Area, 136 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	12	19	....	....	....	....	26	399	311	25	4	2
2....	13	19	....	....	....	....	28	392	304	38	4	2
3....	12	19	....	....	....	....	30	455	262	41	3	2
4....	12	20	....	....	....	....	52	441	248	38	3	1
5....	16	20	....	....	....	....	61	462	222	40	3	1
6....	58	18	....	....	....	....	96	462	203	57	4	1
7....	58	16	....	....	....	....	154	399	209	118	6	1
8....	38	19	....	....	....	....	192	343	214	78	7	1
9....	28	21	....	....	....	....	167	308	188	57	7	1
10....	25	21	....	....	....	....	155	273	122	44	6	1
11....	54	21	....	....	....	....	132	253	107	37	6	1
12....	46	29	....	....	....	....	88	240	100	36	4	2
13....	41	36	....	....	....	....	78	240	175	29	2	1
14....	45	29	....	....	....	....	122	188	122	19	2	1
15....	37	29	....	....	....	....	127	214	92	16	2	1
16....	29	23	....	....	....	....	157	240	82	14	2	1
17....	29	21	....	....	....	....	186	267	71	12	1	1
18....	30	21	....	....	....	....	203	281	65	12	1	1
19....	32	22	....	....	....	....	229	309	60	8	1	1
20....	31	22	....	....	....	....	256	337	52	5	1	1
21....	30	18	....	....	....	....	291	351	44	5	1	1
22....	32	17	....	....	....	....	396	351	40	6	1	1
23....	28	16	....	....	....	....	433	337	36	7	1	1
24....	34	18	....	....	....	....	398	316	26	6	1	1
25....	30	18	....	....	....	....	454	302	26	6	1	1
26....	32	22	....	....	....	....	454	283	32	5	1	1
27....	28	21	....	....	....	....	469	297	32	5	2	2
28....	28	18	....	....	....	40	441	332	32	4	2	2
29....	30	14	....	....	....	35	455	290	26	4	2	1
30....	22	17	....	....	....	39	427	262	24	4	1	2
31....	20	....	....	....	....	31	....	297	....	4	1	....
Total	960	624	....	....	....	....	6757	9921	3527	780	83	37
Mean.	31.0	20.8	....	....	....	....	225	320	118	25.2	2.68	1.23
Max..	58	36	....	....	....	....	469	462	311	118	7	2
Min...	12	14	....	....	....	....	26	188	24	4	1	1
Acre-ft.	1910	1240	....	....	....	....	13400	19700	7020	1550	165	73

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Taylor River at Almont for Year Ending Sept. 30, 1925.
Drainage Area, 440 Square Miles. Altitude, 8,031 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	189	182	130	110	110	120	144	466	915	618	245	218
2....	196	175	130	110	110	120	135	529	836	595	240	227
3....	196	186	130	110	110	120	155	610	751	550	240	240
4....	193	182	130	110	110	120	193	620	700	515	235	275
5....	196	182	130	110	110	120	245	529	708	508	235	250
6....	209	186	130	110	110	120	250	480	700	529	230	227
7....	214	168	130	110	110	120	214	480	676	459	240	222
8....	214	168	130	110	110	158	255	565	652	424	280	209
9....	218	161	130	110	110	126	295	580	652	550	320	204
10....	214	168	130	110	110	130	306	565	692	550	362	204
11....	218	158	135	100	100	135	328	588	726	628	452	204
12....	227	161	135	100	100	114	398	565	742	684	438	209
13....	214	164	135	100	100	119	480	565	802	802	452	227
14....	209	161	135	100	100	108	529	595	853	760	368	227
15....	260	155	135	100	100	93	588	529	942	602	300	200
16....	265	155	135	100	100	110	751	508	1010	398	265	186
17....	240	161	135	100	100	97	760	494	980	398	245	175
18....	270	164	135	100	100	95	602	700	1010	392	245	189
19....	232	168	135	100	100	93	431	888	1000	386	245	255
20....	214	164	135	100	100	112	398	1040	1010	431	290	209
21....	204	171	105	112	105	112	466	1130	1140	565	322	186
22....	214	161	105	112	105	112	459	915	1120	494	317	175
23....	209	158	105	112	105	112	317	1030	844	417	255	178
24....	214	140	105	112	105	112	295	1150	828	392	295	186
25....	189	140	105	112	105	124	295	1140	742	334	312	171
26....	186	140	105	112	105	130	350	1170	700	295	312	171
27....	186	140	105	112	105	130	398	1170	684	295	270	171
28....	182	140	105	112	105	130	386	1230	620	285	265	164
29....	182	140	105	112	....	126	417	1230	602	275	260	161
30....	189	140	105	112	....	135	466	1180	565	260	240	158
31....	164	....	105	112	....	121	....	1130	....	245	232	....
Total	6507	4839	3805	3332	2940	3674	11306	24371	24202	14636	9007	6078
Mean.	210	161	123	107	105	119	377	786	807	472	291	203
Max.	270	186	....	....	....	158	760	1230	1140	802	452	275
Min.	164	....	....	....	....	....	135	466	565	245	230	158
Acre-ft.	12900	9580	7560	6580	5830	7320	22400	48300	48000	29000	17900	12100

Discharge of Taylor River at Almont for Year Ending Sept. 30, 1926.
Drainage Area, 440 Square Miles. Altitude, 8,031 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	180	220	....	....	....	78	100	430	1450	676	289	175
2....	184	215	....	....	....	78	103	486	1680	620	280	175
3....	180	211	....	....	....	....	105	105	545	1610	605	284
4....	188	184	....	....	....	....	105	105	590	1730	692	303
5....	252	184	....	....	....	....	98	112	605	1710	834	372
6....	284	180	....	....	....	....	76	119	628	1750	927	435
7....	229	184	....	....	....	....	57	140	446	1910	927	435
8....	224	166	....	....	....	....	69	144	419	1480	898	408
9....	275	171	....	....	....	....	78	130	367	1520	708	382
10....	280	171	....	....	....	....	87	126	327	1410	590	362
11....	275	175	....	....	....	....	96	122	308	1360	575	322
12....	275	166	....	....	....	....	100	130	298	1410	700	322
13....	234	158	....	....	....	....	100	153	289	1510	636	280
14....	238	158	....	....	....	....	105	193	298	1260	575	270
15....	229	103	....	....	....	....	105	229	398	1200	560	270
16....	224	103	....	....	....	....	105	303	486	1120	532	270
17....	238	120	....	....	....	....	105	357	480	946	469	275
18....	224	136	....	....	....	....	119	313	506	861	452	280
19....	234	136	....	....	....	....	105	298	532	834	424	266
20....	211	136	....	....	....	....	105	275	708	798	414	257
21....	211	136	....	....	....	....	108	234	908	756	424	266
22....	224	136	....	....	....	....	110	313	1070	716	398	270
23....	229	136	....	....	....	....	130	480	1200	724	372	252
24....	224	136	....	....	....	....	136	398	1320	748	367	234
25....	188	136	....	....	....	....	136	372	1260	708	357	229
26....	252	136	....	....	....	....	119	458	1220	708	342	229
27....	252	136	....	....	....	....	112	486	1120	692	317	220
28....	255	136	....	....	....	....	108	377	994	644	367	211
29....	240	136	....	....	....	....	112	458	994	652	367	211
30....	230	136	....	....	....	....	116	480	1120	732	332	206
31....	225	....	....	....	....	....	100	....	1270	....	303	188
Total	7188	4637	....	....	....	3163	7613	21622	34629	16760	8878	6048
Mean.	232	155	106	84	95	102	254	697	1150	541	286	202
Max.	284	220	....	....	....	136	486	1320	1910	927	435	294
Min.	180	103	....	....	....	57	100	289	644	303	188	171
Acre-ft.	14300	9220	6520	5160	5280	6270	15100	42900	68400	33300	17600	12000

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Gunnison River at Gunnison for Year Ending Sept. 30, 1925.
Drainage Area, 1,010 Square Miles. Altitude, 7,673 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May	June	July	Aug.	Sept.
1....	219	360	235	195	215	200	490	1260	2220	1130	545	459
2....	223	372	235	195	215	200	446	1350	1860	1120	510	484
3....	219	360	240	195	215	200	498	1350	1780	1030	498	498
4....	223	366	253	195	215	200	505	1340	1620	1030	504	465
5....	219	372	240	195	215	200	560	1450	1580	968	524	459
6....	219	360	240	195	215	200	425	1490	1450	968	510	459
7....	219	362	235	195	215	200	425	1440	1030	870	498	459
8....	310	315	240	195	215	200	360	1460	1200	790	510	453
9....	366	336	240	195	215	200	425	1580	1150	870	524	423
10....	390	348	244	195	215	200	569	1450	1080	880	598	405
11....	397	348	240	210	165	230	692	1410	1060	850	568	388
12....	360	348	248	210	165	230	1070	1390	1020	820	935	383
13....	342	348	258	210	165	230	1110	1330	1130	810	830	394
14....	348	342	262	210	165	230	1260	1320	1130	820	735	453
15....	384	315	253	210	165	230	1290	1350	1370	762	582	411
16....	439	315	262	210	165	230	1350	1390	1760	753	568	417
17....	418	305	244	210	165	230	1490	1380	2020	717	545	441
18....	425	305	258	210	165	230	1580	1380	1920	682	568	478
19....	411	305	200	210	165	230	1090	1740	1940	699	545	545
20....	360	315	200	210	165	230	1050	2130	2100	690	560	639
21....	360	310	200	220	180	330	1190	1860	2220	780	560	622
22....	348	305	200	220	180	336	1330	1880	2350	990	545	590
23....	366	310	200	220	180	384	922	1910	2180	924	530	560
24....	354	315	200	220	180	366	922	2280	1700	780	575	504
25....	360	310	200	220	180	366	830	2160	1550	708	598	435
26....	320	305	200	220	180	378	880	2350	1390	699	598	400
27....	305	305	200	220	180	330	988	2180	1410	664	598	378
28....	310	305	200	220	180	432	966	2300	1340	699	568	350
29....	315	290	200	220	....	439	977	2370	1260	639	575	299
30....	320	276	200	220	....	468	1150	2440	1260	622	545	286
31....	330	....	200	220	....	482	....	2460	....	582	524	....
Total	10179	9728	7027	6470	5240	8641	26840	53180	47080	25346	17873	13537
Mean.	328	324	227	209	187	279	895	1720	1570	818	577	451
Max.	439	372	....	....	....	482	1580	2460	2350	1130	935	639
Min.	219	262	....	....	....	....	360	1260	1020	582	498	286
Acre-ft.	20200	19300	14000	12900	10400	17200	53300	106000	93400	50300	35500	26800

Discharge of Gunnison River at Gunnison for Year Ending Sept. 30, 1926.
Drainage Area, 1,010 Square Miles. Altitude, 7,673 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	277	378	248	180	215	169	206	1420	2980	1170	436	330
2....	286	366	248	180	215	169	218	1640	3380	1150	436	313
3....	290	361	248	180	215	162	225	1800	3320	1070	429	318
4....	286	341	248	180	215	169	248	2010	3410	1030	442	336
5....	294	294	248	180	215	172	239	2100	3450	1430	462	455
6....	405	326	210	180	215	159	253	2220	3490	1430	632	448
7....	400	350	210	180	215	153	360	1650	3530	1420	695	429
8....	366	294	210	180	215	156	360	1440	2960	1420	695	384
9....	336	317	210	180	215	156	342	1330	2960	1270	709	336
10....	361	322	210	180	215	172	313	1150	2880	1020	646	301
11....	394	322	200	150	220	172	313	960	2680	930	611	330
12....	411	308	200	150	220	188	354	970	2920	1150	555	342
13....	417	308	200	150	220	206	390	855	2980	1040	527	307
14....	423	299	200	150	220	214	500	770	2510	940	474	318
15....	423	262	201	150	220	218	541	1150	2380	900	455	267
16....	417	262	198	150	180	225	660	1150	2130	873	448	258
17....	493	262	201	150	180	230	855	1270	1720	794	442	267
18....	435	262	203	150	180	239	891	1270	1490	730	429	258
19....	435	262	203	150	180	244	855	980	1440	674	403	244
20....	417	262	201	150	180	244	786	1130	1390	674	384	253
21....	411	252	201	133	162	244	674	1980	1350	597	366	248
22....	417	252	198	133	162	239	770	2290	1300	611	384	248
23....	429	252	198	133	162	244	1190	2440	1120	562	354	263
24....	429	252	201	133	162	295	1180	2980	1210	527	348	267
25....	423	252	192	133	162	295	1070	2880	1180	481	330	267
26....	411	250	182	195	153	278	1220	2760	1100	468	318	267
27....	372	250	190	195	159	248	1370	2490	1190	455	307	267
28....	388	250	190	195	166	221	1220	2260	1220	500	278	272
29....	411	250	190	195	....	214	1390	2060	1190	562	263	278
30....	361	250	190	195	....	182	1560	2260	1160	500	301	313
31....	383	....	190	195	....	188	....	2580	....	442	342	....
Total	11931	8668	6419	5125	5438	6465	20553	54245	66020	26820	13901	9184
Mean.	385	289	207	166	194	209	685	1750	2200	865	448	306
Max.	435	378	....	....	....	295	1560	2980	3530	1430	709	455
Min.	277	....	....	....	....	153	206	770	1100	442	263	244
Acre-ft.	23700	17200	12700	10200	10800	12900	40800	108000	131000	53200	27500	18200

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Gunnison River and Redlands Power Canal at Grand Junction for Year Ending Sept. 30, 1925.

Drainage Area, 8,020 Square Miles. Altitude, 4,573 Feet Above Sea Level.											
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Sept.
1....	609	1330	1260	900	1020	1240	2670	4570	5180	3010	1200
2....	533	1330	1220	900	1020	1240	2540	5150	6500	3330	1060
3....	533	1330	1180	900	1020	1240	2540	5330	5770	3330	933
4....	573	1330	1100	900	1020	1240	2540	6540	4990	2820	917
5....	573	1360	1100	900	1000	1240	2680	7060	4540	3540	1180
6....	573	1380	1080	900	1000	1400	3230	6740	4700	3990	1120
7....	707	1380	1080	900	1000	1500	3220	6250	4280	3420	1090
8....	1020	1340	1030	900	1000	1580	2800	6050	4080	2910	938
9....	1020	1330	1030	900	1000	1680	2020	5870	3770	2300	781
10....	1200	1330	1020	900	1000	1680	2060	5660	3180	2310	718
11....	1300	1330	1000	900	980	1480	2460	5660	3330	2470	921
12....	1390	1330	1000	900	980	1480	3620	5960	4410	2470	1480
13....	1490	1380	1000	900	980	1370	4860	5410	4490	2940	1810
14....	1530	1340	1000	900	980	1370	5480	4900	4490	2650	1870
15....	1530	1340	1000	900	980	1480	6320	4990	4330	2100	1760
16....	1530	1380	1000	900	980	1370	6900	4570	4810	1720	1630
17....	1490	1390	1000	900	980	1370	7880	4410	5620	1770	1300
18....	1440	1350	1000	900	980	1320	8660	4730	6040	1430	1030
19....	1440	1440	1000	900	980	1270	7640	5770	5960	1420	895
20....	1490	1440	1000	900	980	1030	5680	6910	6340	1420	976
21....	1440	1440	850	940	1120	898	4810	7420	6740	1420	1280
22....	1440	1440	850	970	1120	1220	4870	7430	7520	2950	1370
23....	1440	1390	850	1020	1120	1060	5070	6330	8010	4210	1340
24....	1440	1390	850	1080	1120	1380	4570	6430	6850	2610	2490
25....	1440	1350	850	1100	1120	1350	3550	7290	5960	2180	2680
26....	1440	1260	850	1100	1120	1650	2910	6840	5150	1960	2410
27....	1470	1250	850	1020	1120	2000	3180	6640	4650	1840	2570
28....	1500	1260	850	1020	1120	2400	3320	6580	4080	1730	2600
29....	1530	1260	850	1020	....	2450	3250	7170	3780	1730	2860
30....	1520	1260	850	1020	....	2320	4010	7450	3770	1530	2460
31....	1410	....	850	1020	....	2800	....	7690	....	1330	2490
Total	38041	40460	30450	29310	28840	47108	125350	189900	156320	74840	48159
Mean.	1230	1350	982	945	1030	1520	4180	6130	5210	2410	1550
Max.	1530	1440	1260	....	....	2800	8660	7690	8180	4210	2860
Min.	533	1250	....	....	....	....	2020	4410	3180	1330	718
Acre-ft.	75600	80300	60400	58100	57200	93500	249000	377000	310000	148000	95300

Discharge of Gunnison River and Redlands Power Canal at Grand Junction for Year Ending Sept. 30, 1926.

Drainage Area, 8,020 Square Miles. Altitude, 4,573 Feet Above Sea Level.											
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Sept.
1....	950	1060	1140	9470	11500	3530	1110
2....	950	1070	1190	8150	12500	3790	1060
3....	950	1050	1190	8740	13800	3570	948
4....	950	946	1130	9190	13600	3490	874
5....	960	888	1100	9940	13900	3820	869
6....	960	872	1390	12700	13600	3980	814
7....	1000	789	1800	11500	13800	4430	873
8....	960	803	2230	8910	13700	4960	1150
9....	1050	746	2590	7850	11700	5070	1350
10....	960	810	2270	6580	11400	4010	1770
11....	960	868	2050	5630	10900	3500	1580
12....	1000	948	1950	4920	10300	3080	1870
13....	1050	951	2150	4650	10900	3250	1700
14....	1050	964	2180	4220	10200	3130	845
15....	1000	1000	2440	3920	9070	2840	853
16....	960	997	2610	4680	8710	2490	813
17....	870	1000	4060	5420	7560	1930	586
18....	960	900	4870	6070	7310	1770	562
19....	1050	939	5410	6450	5690	1590	544
20....	1100	1160	5200	7680	5330	1360	511
21....	1140	1520	5500	9460	5070	1370	447
22....	1050	1610	6680	11200	5010	1340	422
23....	960	1550	7810	12300	4440	1270	421
24....	1000	1570	8870	13200	4300	1180	418
25....	1120	1470	8870	13600	4490	1180	424
26....	1180	1430	8710	12300	4040	1040	395
27....	1170	1430	9490	12100	3900	1040	415
28....	1050	2020	9240	12100	4120	1080	394
29....	1550	8690	10800	3910	1100	387
30....	1180	9350	9690	3520	1340	366
31....	1070	....	10700	....	1360	347
Total	28360	35161	132160	274120	258270	78890	25115
Mean.	1010	1130	4410	8810	8610	2540	810
Max.	1180	2020	9490	13600	13900	5070	1870
Min.	870	746	1100	3920	3520	1040	347
Acre-ft.	56100	69500	262000	544000	512000	156000	49800

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North Fork of Gunnison River at Paonia for Year Ending Sept. 30, 1925.
Drainage Area, 702 Square Miles. Altitude, 5,684 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	16	65	....	....	....	165	504	1440	1300	435	27	91
2....	13	58	....	....	....	160	391	1570	1180	391	23	82
3....	16	74	....	....	....	160	391	1920	1010	391	27	100
4....	19	82	....	....	....	160	481	2040	948	350	19	111
5....	16	74	....	....	....	155	602	2040	979	370	23	167
6....	13	65	....	....	....	150	681	1980	948	330	23	91
7....	19	82	....	....	....	150	602	1870	916	311	27	100
8....	184	74	....	....	....	150	504	1820	853	254	23	82
9....	201	82	....	....	....	150	458	1920	736	236	32	91
10....	167	111	....	....	....	122	628	1770	853	236	58	65
11....	184	100	....	....	....	136	948	1870	1010	218	150	74
12....	150	91	....	....	....	150	1220	1620	916	236	184	82
13....	184	122	....	....	....	122	1480	1520	884	184	350	74
14....	201	91	....	....	....	100	1620	1520	948	136	254	65
15....	184	100	....	....	....	111	1870	1340	1080	136	218	65
16....	167	100	....	....	....	122	1980	1220	1120	100	136	50
17....	122	111	....	....	....	136	2210	1300	1080	91	58	58
18....	136	122	....	....	....	111	2150	1390	1120	74	50	65
19....	122	111	....	....	....	122	1720	1820	1080	65	37	884
20....	122	122	....	....	....	136	1390	1820	1120	74	111	458
21....	122	122	....	....	....	111	1440	1920	1120	167	100	350
22....	100	136	....	....	....	150	1620	1670	1340	311	91	236
23....	111	111	....	....	....	150	1260	1670	1080	167	65	236
24....	100	122	....	....	....	273	1080	1620	884	111	111	201
25....	82	111	....	....	....	330	1010	1520	736	82	122	236
26....	100	100	....	....	....	391	979	1480	654	111	122	218
27....	91	91	....	....	....	412	1010	1440	602	100	150	201
28....	111	100	....	....	....	412	1340	1480	552	136	201	184
29....	91	82	....	....	....	412	1440	1440	504	82	167	167
30....	91	82	....	....	....	458	1390	1440	481	58	150	136
31....	37	....	....	....	....	481	....	1480	....	27	111	....
Total	3272	2894	....	....	....	6348	34399	50950	28034	5970	3220	5020
Mean.	106	96.5	....	....	....	205	1150	1640	934	193	104	167
Max..	201	136	....	....	....	481	2210	2040	1340	435	350	884
Min...	13	58	....	....	....	100	391	1220	481	27	19	50
Acre-ft.	6520	5740	....	....	....	12600	68400	101000	55600	11900	6400	9940

Discharge of North Fork of Gunnison River at Paonia for Year Ending Sept. 30, 1926.
Drainage Area, 702 Square Miles. Altitude, 5,684 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	134	134	....	....	60	92	150	2530	2400	480	60	2
2....	104	104	....	....	60	80	166	2600	2460	456	70	3
3....	70	119	....	....	60	92	150	2670	2400	433	60	3
4....	60	150	....	....	60	92	166	2890	2330	433	52	3
5....	60	60	....	....	60	150	301	3120	2330	456	44	5
6....	119	80	....	....	60	104	388	3440	2270	654	52	5
7....	134	70	....	....	60	70	602	2600	2150	736	44	7
8....	104	60	....	....	80	80	681	2330	1980	681	44	5
9....	104	80	....	....	70	119	602	1920	1920	577	32	7
10....	134	80	....	....	60	183	552	1770	1820	528	32	7
11....	200	92	....	....	80	166	577	1520	1770	388	44	7
12....	259	80	....	....	60	200	708	1440	1620	388	104	13
13....	150	60	....	....	80	183	764	1260	1670	388	119	8
14....	183	80	....	....	80	134	853	1180	1520	344	119	7
15....	200	60	....	....	60	200	1010	1480	1480	301	70	6
16....	150	80	....	....	52	219	1220	1980	1300	301	52	6
17....	183	92	....	....	70	280	1440	1770	1080	280	27	7
18....	183	70	....	....	60	344	1670	1870	946	238	10	6
19....	166	60	....	....	52	280	1770	1870	915	219	7	6
20....	150	52	....	....	60	301	1720	2210	822	200	10	5
21....	119	70	....	....	80	322	1870	2600	822	183	7	5
22....	134	70	....	....	60	259	2270	2670	764	150	7	6
23....	134	80	....	....	70	322	2530	2670	736	150	10	8
24....	150	104	....	....	60	388	2600	2740	736	119	7	10
25....	119	119	....	....	70	366	2400	2670	736	92	13	8
26....	134	104	....	....	60	280	2670	2400	736	119	7	7
27....	134	119	....	....	80	238	2530	2400	736	104	7	7
28....	134	92	....	....	70	219	2530	2330	681	134	3	7
29....	150	80	....	....	....	150	2530	2150	602	150	7	6
30....	119	92	....	....	....	119	2530	2150	504	80	18	6
31....	104	....	....	....	....	150	....	2270	....	60	13	....
Total	4278	2593	....	....	1834	6182	39950	69300	42233	9822	1151	188
Mean.	138	86.4	....	....	65.5	199	1330	2240	1410	317	37.1	6.27
Max..	259	150	....	....	80	388	2670	3440	2460	736	119	13
Min...	60	52	....	....	....	70	150	1180	504	60	3	2
Acre-ft.	8480	5140	....	....	3640	12200	79100	138000	83900	19500	2280	373

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Leroux Creek Near Lazear for Year Ending Sept. 30, 1925.
Drainage Area, 52 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	3.7	1.0	3.0	....	....	7.6	12	206	115	30	12	58
2....	1.3	1.0	2.9	....	....	7.2	10	244	130	26	10	48
3....	1.3	1.1	3.8	....	....	6.8	8.5	302	111	28	16	52
4....	1.5	1.1	2.9	....	....	6.3	12	306	104	27	20	49
5....	1.0	1.1	3.6	....	....	5.9	12	272	168	29	24	44
6....	1.0	1.1	3.5	....	....	5.4	9.4	262	141	29	33	36
7....	1.7	1.1	3.0	....	....	5.0	7.0	268	115	25	24	24
8....	3.1	1.0	2.0	....	....	4.6	4.1	266	104	22	22	25
9....	2.6	1.0	3.3	....	....	6.8	5.3	224	111	19	19	24
10....	3.0	1.0	3.3	....	....	6.5	12	185	130	18	22	20
11....	4.4	1.0	3.3	....	....	4.8	23	180	127	22	33	18
12....	4.0	1.0	3.2	....	....	3.6	43	154	120	20	38	16
13....	5.0	2.5	3.2	....	....	4.1	65	180	97	18	30	24
14....	5.7	3.2	2.9	....	....	3.0	108	153	84	16	19	33
15....	7.7	2.5	2.7	....	....	2.4	177	122	76	17	16	30
16....	8.3	1.8	2.8	....	....	2.3	213	138	72	16	15	29
17....	7.2	1.8	2.6	....	....	3.5	206	158	63	16	18	30
18....	9.5	2.4	3.0	....	....	2.5	217	185	58	16	20	180
19....	7.7	3.0	3.0	....	....	2.8	121	197	50	20	24	233
20....	7.0	3.4	2.7	....	....	3.5	79	177	50	34	25	130
21....	7.0	3.4	2.7	....	....	3.0	91	163	50	33	18	87
22....	6.5	3.6	2.7	....	....	3.5	105	141	48	23	33	76
23....	6.0	5.1	2.6	....	....	3.2	65	136	44	19	48	77
24....	5.5	5.6	2.4	....	....	3.6	50	138	39	19	57	72
25....	5.0	5.1	1.8	....	....	3.8	56	130	42	19	47	52
26....	4.5	3.6	1.0	....	....	4.0	84	112	46	18	52	37
27....	2.7	2.5	1.0	....	....	4.1	105	122	42	18	53	35
28....	1.1	3.6	1.2	....	....	4.3	130	105	35	14	48	32
29....	1.0	3.8	1.2	....	....	5.6	154	94	33	20	42	25
30....	1.0	3.8	1.4	....	....	8.5	163	90	30	16	40	22
31....	1.0	....	1.4	....	....	7.0	....	98	....	14	41	....
Total	128.0	73.2	80.1	....	....	145.2	2347.3	5508	2435	661	919	1618
Mean.	4.13	2.44	2.58	2.4	4.0	4.68	78.2	178	81.2	21.3	29.6	53.9
Max..	9.5	5.6	3.8	....	....	8.5	217	306	168	34	57	233
Min..	1.0	1.0	....	....	....	2.3	4.1	90	30	14	10	16
Acre-ft.	254	145	159	148	222	288	4650	10900	4830	1310	1820	3210

Discharge of Leroux Creek Near Lazear for Year Ending Sept. 30, 1926.
Drainage Area, 52 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	18	18	10	....	....	14	11	201	277	28	4	12
2....	18	18	10	....	....	14	12	208	261	27	5	16
3....	17	25	11	....	....	13	8	233	301	25	10	17
4....	18	30	12	....	....	13	7	252	245	25	18	13
5....	21	33	14	....	....	13	7	298	245	25	19	7
6....	101	37	14	....	....	12	8	272	247	23	17	4
7....	46	33	15	....	....	12	13	173	229	32	13	7
8....	26	30	16	....	....	12	16	130	217	30	15	10
9....	22	28	15	....	....	10	10	98	197	26	19	5
10....	42	28	16	....	....	9	14	65	145	23	14	4
11....	115	23	16	....	16	9	14	43	137	24	11	5
12....	76	22	16	....	....	8	22	39	134	23	9	5
13....	84	22	16	....	....	8	32	29	101	23	9	4
14....	173	18	16	....	....	7	29	52	94	22	12	5
15....	140	14	16	....	....	8	38	114	82	18	14	3
16....	114	15	11	....	....	9	71	144	75	14	12	3
17....	80	12	12	....	....	9	98	136	73	14	13	4
18....	51	11	14	....	....	10	95	138	67	12	16	3
19....	36	11	14	....	....	12	116	188	54	12	17	3
20....	32	11	14	....	....	9	114	266	52	10	16	3
21....	33	14	15	....	....	8	138	292	50	10	14	3
22....	34	16	15	....	....	6	175	288	47	10	13	2
23....	26	16	15	....	....	7	199	316	45	10	13	2
24....	24	16	16	....	....	11	215	306	43	12	13	2
25....	20	13	16	....	....	17	239	300	41	12	14	3
26....	21	12	16	....	....	17	237	257	38	14	12	3
27....	22	13	16	....	....	14	237	297	36	8	12	3
28....	22	12	16	....	....	10	224	297	34	13	11	3
29....	23	11	16	....	....	11	242	293	32	19	7	3
30....	20	13	16	....	....	13	242	277	30	16	6	7
31....	20	....	16	....	....	13	....	273	....	8	10	....
Total	1495	575	451	....	....	338	2883	6275	3629	568	388	164
Mean.	48.2	19.2	14.5	14	16	10.9	96.1	202	121	18.3	12.5	5.47
Max..	173	37	....	....	....	17	242	316	301	32	19	17
Min..	17	11	....	....	....	....	7	29	30	8	4	2
Acre-ft.	2960	1140	892	861	889	670	5720	12400	7200	1130	769	325

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Surface Creek at Cedaredge for Year Ending Sept. 30, 1925.
Drainage Area, 43 Square Miles. Altitude, 7,000 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	6	3.3	....	....	....	5.2	2.4	115	72	24	5	23
2....	6	2.4	....	....	....	5.8	2.7	127	72	28	5	18
3....	6	3.6	....	....	....	3.3	2.7	110	65	24	12	21
4....	5.8	3.6	....	....	....	2.4	3.0	115	60	22	12	21
5....	5.2	3.6	....	....	....	2.7	3.0	104	73	27	18	20
6....	4.7	3.6	....	....	....	2.4	2.1	104	52	26	19	18
7....	5.8	0.7	....	....	....	2.4	1.0	120	33	21	15	15
8....	8.4	1.0	....	....	....	2.4	0.8	125	41	23	15	15
9....	8.9	....	....	....	....	2.4	1.1	104	52	24	15	15
10....	7.3	....	....	....	....	2.4	3.9	95	48	23	20	12
11....	5.8	....	....	....	....	2.7	14	97	51	25	28	12
12....	5.8	....	....	....	....	1.8	32	90	55	26	28	8
13....	5.8	....	....	....	....	1.5	58	97	52	26	18	11
14....	5.8	....	....	....	....	1.2	75	104	52	23	15	15
15....	8.4	....	....	....	....	1.5	88	86	52	23	13	12
16....	8.4	....	....	....	....	1.5	90	86	55	16	9	11
17....	8.4	....	....	....	....	1.5	93	99	52	19	8	13
18....	12	....	....	....	....	1.2	82	101	49	13	8	120
19....	7.3	....	....	....	....	1.1	49	97	41	11	11	172
20....	5.8	....	....	....	....	1.0	38	108	36	23	13	60
21....	5.8	....	....	....	....	1.2	45	97	33	24	28	34
22....	5.2	....	....	....	....	1.2	48	81	26	26	28	30
23....	5.2	....	....	....	....	1.2	27	81	28	26	34	25
24....	3.9	....	....	....	....	1.2	19	88	27	21	49	22
25....	4.2	....	....	....	....	1.2	16	82	25	20	28	17
26....	3.9	....	....	....	....	1.5	27	73	16	16	21	15
27....	3.9	....	....	....	....	1.8	45	65	23	15	19	13
28....	3.6	....	....	....	....	1.8	68	60	25	13	20	12
29....	3.6	....	....	....	....	2.1	99	63	19	11	15	12
30....	3.9	....	....	....	....	2.1	97	63	26	9	15	10
31....	5.8	....	....	....	....	2.4	....	62	....	8	12	....
Total	186.6	....	....	....	....	64.1	1132.7	2899	1311	636	556	802
Mean.	6.02	3.2	2.0	2.0	2.5	2.07	37.8	93.5	43.7	20.5	17.9	26.7
Max..	12	....	....	....	....	5.8	99	127	73	28	49	172
Min..	3.6	....	....	....	....	1.0	0.8	60	16	8	5	8
Acres-ft.	370	190	123	123	139	127	2250	5750	2600	1260	1100	1590

Discharge of Surface Creek at Cedaredge for Year Ending Sept. 30, 1926.
Drainage Area, 43 Square Miles. Altitude, 7,000 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	10	15	....	....	....	2	3	132	204	77	9	41
2....	9	14	....	....	....	2	2	153	207	63	22	37
3....	9	15	....	....	....	2	2	180	198	49	11	30
4....	9	15	....	....	....	2	2	183	198	44	22	28
5....	25	17	....	....	....	2	2	195	180	49	20	39
6....	88	20	....	....	....	2	2	175	153	52	14	33
7....	52	22	....	....	....	2	2	113	122	62	18	34
8....	44	24	....	....	....	2	2	88	113	54	9	33
9....	38	26	....	....	....	2	2	72	101	46	9	12
10....	34	28	....	....	....	2	2	66	79	39	9	9
11....	49	24	....	....	....	2	4	52	51	46	14	9
12....	39	21	....	....	....	3	6	45	62	45	16	9
13....	36	24	....	....	....	3	6	41	65	41	20	20
14....	24	27	....	....	....	3	8	52	54	46	24	23
15....	21	31	....	....	....	4	24	88	51	36	16	22
16....	18	26	....	....	....	4	49	95	51	46	27	22
17....	18	20	....	....	....	7	58	93	62	42	30	16
18....	16	22	....	....	....	7	63	97	65	37	44	17
19....	15	25	....	....	....	6	82	115	65	34	41	19
20....	13	27	....	....	....	5	82	161	63	34	41	17
21....	13	26	....	....	....	4	140	189	60	42	39	15
22....	13	25	....	....	....	3	161	186	58	37	73	16
23....	14	24	....	....	....	4	164	169	60	39	92	14
24....	13	24	....	....	....	7	161	172	65	30	86	16
25....	13	24	....	....	....	7	158	172	62	20	79	11
26....	12	24	....	....	....	11	166	169	63	20	65	8
27....	11	22	....	....	....	7	155	166	58	20	70	9
28....	10	22	....	....	....	7	158	164	58	23	59	9
29....	8	22	....	....	....	8	183	153	52	18	47	6
30....	7	22	....	....	....	11	175	186	82	11	48	10
31....	11	....	....	....	....	3	....	207	....	10	48	....
Total	692	678	....	....	....	136	2024	4129	2762	1212	1122	584
Mean.	22.3	22.6	....	....	....	4.39	67.5	133	92.1	39.1	36.2	19.5
Max..	....	....	....	....	....	11	183	207	207	77	92	41
Min..	....	....	....	....	....	....	2	41	51	10	9	6
Acres-ft.	1370	1340	....	....	....	270	4020	8180	5480	2400	2230	1160

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Uncompahgre River Below Ouray for Year Ending Sept. 30, 1925.
Drainage Area, 76 Square Miles. Altitude, 7,710 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	37	41	34	32	28	26	91	247	422	416	119	193
2....	39	40	34	32	29	27	82	298	315	380	112	187
3....	51	40	32	32	32	28	100	391	264	380	117	189
4....	46	38	34	31	34	29	133	413	249	432	156	181
5....	41	35	34	30	32	30	131	380	313	442	164	162
6....	40	34	33	29	28	31	110	337	251	348	135	151
7....	48	34	34	28	27	32	93	315	247	315	119	140
8....	58	35	33	27	26	35	98	321	236	295	120	135
9....	56	36	33	26	26	35	110	326	218	300	119	131
10....	48	36	34	34	27	34	149	343	260	276	118	117
11....	43	34	34	32	28	34	179	326	345	292	117	110
12....	41	34	36	31	27	34	225	290	348	292	116	103
13....	46	35	44	30	27	34	251	310	298	300	115	129
14....	49	35	40	29	25	34	295	351	422	269	114	114
15....	68	44	39	29	25	34	310	326	635	233	114	105
16....	52	41	37	28	25	34	348	368	720	222	108	98
17....	54	37	35	27	25	34	359	420	695	212	100	115
18....	54	37	37	27	25	34	288	476	740	195	100	294
19....	48	41	35	26	26	41	249	530	800	200	110	382
20....	44	44	35	26	26	45	238	600	890	391	114	255
21....	42	51	34	25	26	50	236	670	890	283	116	201
22....	41	47	35	26	26	69	229	556	884	236	117	173
23....	41	36	34	27	25	78	214	685	848	227	142	160
24....	38	33	35	25	25	69	199	755	775	195	181	144
25....	40	33	37	24	25	76	205	680	650	187	173	133
26....	36	32	34	24	25	86	212	675	595	171	175	122
27....	37	32	34	24	25	93	218	680	516	171	171	117
28....	35	32	34	25	25	80	242	800	456	162	171	110
29....	37	35	33	23	....	84	267	872	464	149	158	103
30....	36	34	33	26	....	91	251	920	446	144	149	98
31....	41	....	33	28	....	95	....	775	....	133	140	....
Total	1387	1116	1083	863	751	1536	6112	15436	15192	8248	4080	4652
Mean.	44.7	37.2	34.9	27.8	26.8	48.5	204	498	506	266	132	155
Max..	68	51	44	34	34	95	359	920	890	442	181	382
Min..	35	32	32	23	25	26	82	247	218	133	100	98
Acre-ft.	2750	2210	2150	1710	1490	3040	12100	30600	30100	16400	8120	9220

Discharge of Uncompahgre River Below Ouray for Year Ending Sept. 30, 1926.
Drainage Area, 76 Square Miles. Altitude, 7,710 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	93	74	43	40	32	44	36	258	650	464	129	56
2....	90	78	43	41	32	41	35	269	675	428	120	56
3....	88	73	43	40	32	41	36	290	725	394	127	58
4....	95	66	43	40	34	40	36	343	775	397	122	61
5....	173	60	43	38	34	36	37	354	800	391	124	63
6....	173	68	43	40	34	37	37	285	902	374	108	53
7....	154	66	43	39	37	35	38	225	872	415	108	53
8....	144	68	43	41	40	38	41	210	715	460	129	50
9....	135	64	43	41	41	37	39	179	842	400	112	49
10....	135	64	43	40	42	37	37	156	902	310	103	48
11....	123	63	46	38	40	37	41	147	842	295	115	58
12....	131	63	48	38	37	37	48	149	740	290	100	61
13....	144	63	45	38	36	35	59	140	544	280	95	57
14....	144	63	45	38	35	37	70	158	640	275	93	55
15....	136	60	46	38	34	44	96	169	640	270	90	53
16....	133	55	45	39	33	51	136	189	548	265	85	51
17....	129	53	47	38	32	57	140	222	496	258	88	49
18....	104	50	47	38	32	54	153	244	468	251	80	47
19....	90	48	44	37	33	48	154	315	472	244	76	44
20....	86	46	41	37	34	48	120	450	500	229	73	44
21....	84	44	44	34	32	45	149	564	484	214	76	52
22....	86	44	43	36	32	50	156	595	476	197	73	58
23....	103	44	41	34	32	60	177	620	508	179	72	51
24....	103	44	44	34	30	65	181	620	504	166	68	47
25....	105	44	41	34	29	59	208	556	476	158	68	47
26....	100	44	44	34	33	46	231	540	504	149	65	129
27....	98	44	47	34	36	40	227	453	520	145	65	98
28....	96	44	44	34	40	38	227	348	456	233	64	68
29....	96	44	42	34	....	36	262	382	413	179	61	59
30....	86	44	41	33	....	36	267	453	419	154	60	73
31....	79	....	44	33	....	33	....	512	....	144	58	....
Total	3546	1685	1359	1153	968	1342	3474	10395	18508	8608	2807	1748
Mean.	114	56.2	43.8	37.2	34.6	43.3	116	335	617	278	90.5	58.3
Max..	173	78	48	41	42	65	267	620	902	464	129	129
Min..	79	....	33	29	29	33	35	140	413	144	58	44
Acre-ft.	7010	3340	2690	2290	1920	2660	6900	20600	36700	17100	5560	3470

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Uncompahgre River Near Colona for Year Ending Sept. 30, 1925.
Drainage Area, 403 Square Miles. Altitude, 6,399 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	102	...	...	...	...	...	343	462	915	802	330	330
2....	105	...	...	...	...	...	292	520	640	790	302	419
3....	108	...	...	...	...	...	312	672	527	760	295	436
4....	123	...	...	...	...	...	380	715	462	850	348	421
5....	116	...	...	...	...	...	427	658	542	915	395	380
6....	108	...	...	...	...	...	380	590	455	850	324	351
7....	113	...	...	...	...	...	353	546	395	810	289	305
8....	144	...	...	...	...	...	315	546	361	762	273	310
9....	135	...	...	...	...	...	340	560	355	777	269	302
10....	140	...	...	...	...	...	397	593	468	680	282	285
11....	140	...	...	...	...	...	520	570	585	705	365	257
12....	125	...	...	...	...	...	615	491	527	705	330	247
13....	133	...	...	...	...	...	698	512	465	715	303	265
14....	140	...	...	...	...	...	765	580	570	655	266	257
15....	160	...	...	...	...	...	870	500	760	590	335	232
16....	150	...	...	...	...	...	910	570	1050	578	217	218
17....	146	...	...	...	...	...	993	651	1050	538	195	225
18....	158	...	...	...	...	...	882	795	1050	500	198	376
19....	135	...	...	...	...	...	640	995	1180	462	225	722
20....	133	...	...	...	...	...	552	1080	1240	557	217	495
21....	123	...	...	...	...	...	567	1060	1370	625	207	395
22....	122	...	...	...	...	...	577	870	1400	618	231	337
23....	118	...	...	...	...	...	446	920	1340	525	228	314
24....	115	...	...	...	...	...	382	1090	1300	478	305	290
25....	115	...	...	...	...	...	375	1000	1120	457	315	263
26....	111	...	...	...	...	...	423	1060	1010	432	345	248
27....	109	...	...	...	...	...	427	1050	980	432	380	235
28....	109	...	...	...	...	...	452	1140	852	373	387	229
29....	109	...	...	...	...	...	527	1240	832	394	352	308
30....	123	...	...	...	...	...	500	1150	802	387	313	182
31....	109	...	...	...	...	...	...	1250	...	355	290	...
Total	3877	...	...	...	...	...	15660	24436	24603	19077	9011	9534
Mean..	125	...	...	...	...	...	522	788	820	615	291	318
Max...	160	...	...	...	...	...	993	1250	1400	915	395	722
Min...	102	...	...	...	...	...	292	462	355	355	195	182
Acre-ft.	7690	...	...	...	...	...	31100	48500	48800	37800	17900	18900

Discharge of Uncompahgre River Near Colona for Year Ending Sept. 30, 1926.
Drainage Area, 403 Square Miles. Altitude, 6,399 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	175	138	...	...	...	...	114	690	1160	1080	225	86
2....	148	148	...	...	...	...	129	710	1280	1040	215	83
3....	148	144	...	...	...	...	136	725	1420	950	215	83
4....	160	130	...	...	...	...	129	765	1580	970	226	85
5....	188	116	...	...	...	...	143	900	1640	950	230	93
6....	265	116	...	...	...	...	143	845	1670	1010	242	87
7....	213	124	...	...	...	...	151	655	1720	1040	242	85
8....	195	124	...	...	...	...	196	618	1480	975	250	85
9....	190	128	...	...	...	...	170	534	1600	850	252	88
10....	210	124	...	...	...	...	151	455	1730	797	223	87
11....	228	120	...	...	...	...	155	415	1640	735	217	107
12....	200	113	...	...	...	...	186	432	1600	680	220	127
13....	198	113	...	...	...	...	211	415	1350	640	205	102
14....	228	110	...	...	...	...	217	410	1350	600	200	94
15....	210	110	...	...	...	...	253	468	1360	590	193	94
16....	200	110	...	...	...	...	360	515	1100	565	186	97
17....	190	120	...	...	...	...	480	597	995	530	175	98
18....	171	120	...	...	...	...	445	652	850	460	163	91
19....	171	106	...	...	...	...	475	735	860	422	158	81
20....	160	110	...	...	...	...	495	925	925	415	147	81
21....	148	106	...	...	...	...	533	1100	930	398	138	76
22....	148	110	...	...	...	...	572	1130	900	345	135	87
23....	175	113	...	...	...	...	643	1130	1020	331	129	75
24....	180	104	...	...	...	...	685	1200	1140	310	118	70
25....	164	102	...	...	...	...	710	1060	1010	287	121	69
26....	164	102	...	...	...	...	760	1010	1050	280	121	87
27....	160	100	...	...	...	...	735	1010	1140	262	110	190
28....	156	100	...	...	...	...	670	880	1020	335	105	125
29....	160	100	...	...	...	...	735	795	855	330	103	113
30....	138	100	...	...	...	...	751	905	1020	277	100	113
31....	140	...	...	...	...	109	...	895	...	240	98	...
Total	5581	3461	...	...	...	...	11533	23576	37395	18694	5462	2829
Mean..	180	115	...	...	...	...	384	761	1250	603	176	94.6
Max...	265	148	...	...	...	...	760	1200	1730	1080	252	190
Min...	138	...	...	...	...	...	114	410	850	240	98	69
Acre-ft.	11100	6840	...	...	...	...	22800	46800	74400	37100	10800	5630

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Uncompahgre River Near Delta for Year Ending Sept. 30, 1925.
Drainage Area, 1,110 Square Miles. Altitude, 4,970 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	317	237	....	....	....	....	162	138	384	469	374	752
2....	324	290	....	....	....	....	123	89	196	630	320	806
3....	324	244	....	....	....	....	59	77	254	397	223	848
4....	357	261	....	....	....	....	59	93	336	428	535	752
5....	286	279	....	....	....	....	138	86	442	1360	309	728
6....	276	286	....	....	....	....	205	82	392	832	283	656
7....	265	258	....	....	....	....	132	91	283	328	214	617
8....	392	234	....	....	....	....	110	115	230	366	190	556
9....	478	223	....	....	....	....	86	174	217	388	208	490
10....	433	244	....	....	....	....	69	214	220	442	301	460
11....	456	244	....	....	....	....	115	313	283	402	261	415
12....	388	251	....	....	....	....	286	202	555	460	478	320
13....	268	276	....	....	....	....	595	150	487	428	478	335
14....	237	265	....	....	....	....	570	174	520	353	464	335
15....	294	247	....	....	....	....	442	167	695	208	515	290
16....	294	223	....	....	....	....	460	147	705	227	555	290
17....	268	230	....	....	....	....	500	214	615	268	451	420
18....	254	244	....	....	....	....	530	320	655	190	341	515
19....	265	294	....	....	....	....	450	464	680	187	460	1180
20....	276	290	....	....	....	....	200	424	670	227	510	1000
21....	276	290	....	....	....	....	123	357	755	460	406	820
22....	258	301	....	....	....	....	169	211	826	782	406	650
23....	286	279	....	....	....	....	227	254	550	1140	904	593
24....	320	261	....	....	....	....	180	428	487	848	1240	586
25....	298	258	....	....	....	....	140	345	276	777	1120	562
26....	283	254	....	....	....	....	140	190	185	788	980	508
27....	279	250	....	....	....	....	174	227	193	740	1000	447
28....	223	250	....	....	....	....	145	268	251	715	1010	390
29....	254	245	....	....	....	....	159	496	258	595	932	268
30....	290	245	....	....	....	....	196	500	254	525	974	225
31....	276	....	....	....	....	244	....	545	....	456	794	....
Total	9495	7753	....	....	....	....	6944	7555	12854	16416	17236	16814
Mean..	306	258	....	....	....	....	231	244	428	530	556	560
Max..	478	301	....	....	....	....	595	545	826	1360	1240	1180
Min..	223	223	....	....	....	....	59	77	185	187	190	225
Acre-ft.	18800	15400	....	....	....	....	13700	15000	25500	32600	34200	33300

Discharge of Uncompahgre River near Delta for Year Ending Sept. 30, 1926.
Drainage Area, 1,110 Square Miles. Altitude, 4,970 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	206	407	....	....	....	....	91	500	789	401	288	98
2....	164	389	....	....	....	....	137	400	959	356	248	101
3....	211	356	....	....	....	....	126	300	891	268	197	101
4....	189	345	....	....	....	....	94	268	959	351	189	94
5....	193	345	....	....	....	....	104	367	993	606	197	108
6....	324	335	....	....	....	....	122	857	1030	573	185	122
7....	430	303	....	....	....	....	148	586	1160	775	248	126
8....	447	288	....	....	....	....	197	379	789	775	351	115
9....	319	288	....	....	....	....	156	335	721	613	401	118
10....	351	230	....	....	....	....	104	234	789	496	471	108
11....	483	176	....	....	....	....	74	197	823	453	258	118
12....	447	164	....	....	....	....	61	225	857	390	152	145
13....	471	156	....	....	....	....	68	185	959	309	148	160
14....	520	152	....	....	....	....	51	164	620	309	197	133
15....	527	150	....	....	....	....	63	156	687	293	197	115
16....	527	145	....	....	....	....	148	185	586	225	189	122
17....	471	....	....	....	....	....	319	283	288	206	176	118
18....	159	....	....	....	....	....	367	335	202	215	176	118
19....	496	....	....	....	....	....	490	356	172	211	168	104
20....	465	....	....	....	....	....	553	586	351	172	164	108
21....	442	....	....	....	....	....	436	436	351	164	160	98
22....	447	....	....	....	....	....	586	508	263	156	168	94
23....	447	....	....	....	....	....	721	407	373	185	152	101
24....	453	....	....	....	....	....	857	483	424	193	164	91
25....	418	....	....	....	....	....	891	520	185	193	152	91
26....	413	....	....	....	....	....	823	373	215	215	145	111
27....	407	....	....	....	....	....	789	620	340	220	133	115
28....	413	....	....	....	....	....	700	789	351	234	129	137
29....	418	....	....	....	....	....	650	520	238	298	133	129
30....	418	....	....	....	....	81	600	553	229	309	129	141
31....	418	....	....	....	....	81	....	721	....	278	111	....
Total	12394	....	....	....	....	....	10526	12828	17594	10442	6176	3440
Mean..	400	....	....	....	....	....	351	414	586	337	199	115
Max..	527	....	....	....	....	....	891	857	1160	775	471	160
Min..	164	....	....	....	....	....	51	156	172	156	111	91
Acre-ft.	24600	....	....	....	....	....	20900	25500	34900	20700	12200	6840

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Dallas Creek near Ridgway for Year Ending Sept. 30, 1925.
Drainage Area, 90 Square Miles. Altitude, 6,980 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	30	24	....	....	....	14	33	35	46	202	97	92
2....	27	24	....	....	....	14	26	32	35	168	92	100
3....	21	25	....	....	....	18	28	33	30	162	97	152
4....	19	24	....	....	....	22	41	34	28	244	92	124
5....	18	23	....	....	....	27	40	29	39	263	118	100
6....	17	24	....	....	....	33	35	34	33	237	90	78
7....	21	22	....	....	....	39	35	35	33	192	84	70
8....	26	20	....	....	....	39	19	30	25	159	78	65
9....	24	20	....	....	....	33	33	38	18	143	78	68
10....	25	25	....	....	....	29	30	35	23	143	82	68
11....	30	27	....	....	....	33	34	28	25	146	86	56
12....	24	25	....	....	....	29	63	27	34	138	76	47
13....	30	27	....	....	....	30	76	24	33	140	70	48
14....	28	21	....	....	....	27	92	22	27	135	59	43
15....	31	21	....	....	....	27	129	18	61	110	51	39
16....	27	24	....	....	....	24	192	15	74	118	48	34
17....	26	20	....	....	....	21	302	13	70	102	41	35
18....	27	19	....	....	....	22	172	17	78	84	50	65
19....	28	29	....	....	....	19	88	24	115	80	63	226
20....	24	26	....	....	....	18	76	26	143	113	70	124
21....	26	24	....	....	....	20	84	21	202	146	68	100
22....	23	21	....	....	....	24	63	16	209	219	54	76
23....	22	21	....	....	....	46	61	12	216	205	58	72
24....	22	20	....	....	....	55	56	26	212	185	82	63
25....	20	23	....	....	....	67	54	26	188	172	149	53
26....	21	27	....	....	....	62	53	28	181	124	118	51
27....	21	23	....	....	....	53	53	18	168	121	115	50
28....	21	23	....	....	....	53	48	32	121	113	124	48
29....	20	22	....	....	....	40	40	40	105	156	105	43
30....	24	22	....	....	....	31	46	38	121	126	97	26
31....	18	....	....	....	....	29	....	48	....	108	86	....
Total	741	696	....	....	....	998	2102	854	2693	4754	2578	2216
Mean.	23.9	23.2	21	19	17	32.2	70.1	27.5	89.8	153	83.2	73.9
Max..	31	29	....	....	....	67	302	48	216	263	149	226
Min..	17	19	....	....	....	14	19	12	18	80	41	26
Acre-ft.	1470	1380	1290	1170	944	1980	4170	1690	5340	9410	5120	4400

Discharge of Dallas Creek near Ridgway for Year Ending Sept. 30, 1926.
Drainage Area, 90 Square Miles. Altitude, 6,980 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	29	33	....	....	26	28	24	99	52	137	44	14
2....	24	34	....	....	26	29	23	95	55	130	43	14
3....	24	33	....	....	26	29	31	88	74	135	43	13
4....	33	30	....	....	27	26	24	88	80	135	37	15
5....	29	33	....	....	26	27	26	95	85	135	36	17
6....	36	38	....	....	29	23	26	124	102	194	43	16
7....	29	38	....	....	31	27	27	99	146	208	43	16
8....	32	40	....	....	26	27	38	106	124	182	44	20
9....	36	43	....	....	29	23	32	90	133	137	44	19
10....	43	37	....	....	31	22	28	80	137	126	42	21
11....	45	33	....	....	27	24	33	74	128	118	43	27
12....	44	30	....	....	24	25	35	72	146	122	45	29
13....	41	31	....	....	22	24	35	70	148	104	43	26
14....	43	35	....	....	21	24	39	66	130	92	43	26
15....	43	56	....	....	26	26	44	70	135	88	41	24
16....	40	57	....	....	26	29	64	74	122	93	41	29
17....	37	44	....	....	24	29	95	75	108	80	36	26
18....	36	40	....	....	21	29	108	78	102	82	33	24
19....	37	42	....	....	26	28	90	83	78	78	28	18
20....	33	51	....	....	24	27	72	88	93	85	26	16
21....	33	52	....	....	21	29	112	88	95	78	26	15
22....	36	56	....	....	26	30	180	80	104	78	26	13
23....	35	58	....	....	21	24	228	70	106	72	25	14
24....	38	45	....	....	25	28	152	66	106	69	25	14
25....	34	39	....	....	22	28	175	55	104	64	24	13
26....	36	31	....	....	29	18	146	57	108	62	27	16
27....	34	29	....	....	30	24	124	58	118	57	18	21
28....	33	29	....	....	29	24	110	70	114	52	16	18
29....	34	27	....	....	....	21	99	51	106	50	14	21
30....	35	28	....	....	....	20	99	56	106	64	15	27
31....	34	....	....	....	....	22	....	53	....	50	15	....
Total	1096	1172	....	....	721	794	2319	2418	3245	3157	1029	582
Mean.	35.4	39.1	32	25	25.8	25.6	77.3	78.0	108	102	33.2	19.4
Max..	45	58	....	....	31	30	228	124	148	208	45	29
Min..	24	27	....	....	21	18	24	51	52	50	14	13
Acre-ft.	2180	2330	1970	1540	1430	1570	4600	4800	6430	6270	2040	1150

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Kannah Creek near Whitewater for Year Ending Sept. 30, 1925.
Drainage Area, 38 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	12	13	....	....	....	7	11	....	61	38	17	23
2....	12	12	....	....	....	7	11	....	72	37	17	23
3....	12	11	....	....	....	7	11	....	85	38	17	23
4....	12	12	....	....	....	7	12	....	85	41	20	22
5....	11	11	....	....	....	7	11	216	69	43	22	22
6....	13	13	....	....	....	7	12	....	71	39	22	21
7....	11	13	....	....	....	7	13	....	69	40	26	39
8....	7	15	....	....	....	8	13	....	63	40	32	21
9....	12	14	....	....	....	8	14	....	59	40	33	21
10....	12	13	....	....	....	8	17	....	41	44	37	25
11....	12	13	....	....	....	8	16	....	46	44	38	21
12....	12	13	....	....	....	8	20	....	46	40	40	22
13....	12	13	....	....	....	8	25	....	58	40	30	20
14....	12	13	....	....	....	8	38	....	72	42	25	18
15....	12	13	....	....	....	8	76	....	58	42	28	17
16....	10	....	....	....	....	8	55	....	42	41	28	17
17....	13	....	....	....	....	8	55	....	40	36	26	94
18....	13	....	....	....	....	9	58	....	36	36	24	68
19....	13	....	....	....	....	9	62	....	33	34	29	42
20....	10	....	....	....	....	10	61	....	30	33	24	38
21....	13	....	....	....	....	10	42	....	70	33	23	36
22....	13	....	....	....	....	10	38	....	85	32	23	33
23....	13	....	....	....	....	11	37	....	38	31	40	32
24....	6	....	....	....	....	11	39	....	31	29	51	32
25....	11	....	....	....	....	10	40	....	33	29	28	30
26....	10	....	....	....	....	10	39	....	34	29	28	30
27....	10	....	....	....	....	10	35	....	38	29	28	29
28....	10	....	....	....	....	11	41	....	38	28	25	23
29....	13	....	....	....	....	11	55	....	38	25	24	18
30....	11	....	....	....	....	11	70	....	38	19	23	17
31....	11	....	....	....	....	11	....	....	....	18	23	....
Total	354	....	....	....	....	273	1027	....	1579	1090	851	877
Mean	11.4	12.0	10.5	9	8	8.81	34.2	....	52.6	35.2	27.5	29.2
Max.	13	....	....	....	....	11	76	....	85	44	51	94
Min.	6	....	....	....	....	7	11	....	30	18	17	17
Acres-ft.	701	714	646	553	444	542	2040	....	3130	2160	1690	1740

Discharge of Kannah Creek near Whitewater for Year Ending Sept. 30, 1926.
Drainage Area, 38 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	12	16	10	9	10	13	15	197	247	41	28	27
2....	12	12	10	9	10	10	15	206	218	40	28	32
3....	12	18	9	9	10	9	15	228	195	31	27	31
4....	12	17	9	9	10	9	15	234	184	35	25	30
5....	10	15	9	9	10	9	15	237	168	66	24	28
6....	27	16	10	9	10	9	15	190	151	62	32	27
7....	25	17	10	9	10	9	15	162	139	37	32	25
8....	23	16	9	9	10	9	15	143	135	38	32	25
9....	20	17	9	9	10	10	15	136	127	40	33	23
10....	17	17	9	9	10	10	16	133	120	41	33	21
11....	27	21	9	9	10	10	15	143	116	45	32	20
12....	26	21	8	8	10	8	15	160	102	44	24	17
13....	25	20	9	8	9	8	15	170	98	51	23	16
14....	23	14	9	8	7	8	16	183	73	44	23	16
15....	22	12	9	8	9	8	17	196	65	41	23	16
16....	22	13	9	8	9	11	19	214	60	41	23	13
17....	23	13	9	8	9	12	23	234	54	41	32	16
18....	21	6	9	8	9	12	34	263	48	41	29	16
19....	19	9	9	8	9	12	37	290	42	37	23	12
20....	19	14	9	8	9	10	43	434	40	32	23	12
21....	19	12	9	8	9	10	41	542	39	31	23	11
22....	16	11	9	8	9	12	50	567	38	28	25	10
23....	19	11	9	8	8	14	51	339	37	32	25	10
24....	19	11	9	8	8	14	56	477	37	32	26	10
25....	19	11	9	8	9	10	55	435	37	32	25	10
26....	19	11	9	8	10	11	74	338	33	32	24	11
27....	18	11	9	8	9	11	102	288	37	32	23	11
28....	18	11	9	8	5	11	132	305	38	33	23	12
29....	18	10	9	8	....	14	168	270	37	31	23	12
30....	18	10	9	9	....	15	183	252	41	28	23	14
31....	18	....	9	9	....	15	....	227	....	30	25	....
Total	598	413	282	261	257	333	1297	8193	2756	1189	814	534
Mean	19.3	13.8	9.10	8.4	9.18	10.7	43.2	264	91.9	38.4	26.3	17.8
Max.	27	21	....	....	10	15	183	567	247	66	33	32
Min.	10	....	....	....	5	8	15	133	33	28	23	10
Acres-ft.	1190	821	560	518	510	658	2570	16200	5470	2360	1620	1060

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Dolores River at Dolores for Year Ending Sept. 30, 1925.
Drainage Area, 524 Square Miles. Altitude, 6,954 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	40	49	49	....	....	70	205	1160	1530	377	177	391
2....	42	49	49	....	....	72	173	1100	1100	352	210	630
3....	40	55	52	....	....	72	197	1830	840	352	181	570
4....	40	63	52	....	....	74	334	2580	765	358	193	600
5....	40	67	50	....	....	76	185	2020	948	642	228	476
6....	40	67	49	....	....	66	193	1650	932	405	193	358
7....	40	65	49	....	69	56	246	1690	870	304	169	352
8....	40	65	36	....	....	46	286	1730	674	274	181	328
9....	40	82	30	....	....	69	328	1870	635	274	214	301
10....	40	75	30	....	....	63	476	1650	739	322	256	264
11....	40	88	30	....	....	46	690	1510	1020	358	334	232
12....	40	75	29	....	....	39	1320	1410	1000	316	292	210
13....	40	65	29	....	....	46	1920	1570	906	268	262	210
14....	40	52	29	....	....	32	2290	1730	1020	223	224	210
15....	40	52	29	....	....	34	2360	1340	1270	177	181	166
16....	40	55	30	....	....	32	1320	1650	1280	165	185	146
17....	40	52	30	....	....	36	1230	1650	1100	169	141	166
18....	40	44	30	....	....	46	1140	2380	1050	177	124	595
19....	40	46	30	....	....	63	1230	2340	1090	185	189	4310
20....	40	48	30	....	....	85	1180	2240	1230	223	241	2810
21....	40	55	32	....	....	73	1320	1870	1340	274	205	2270
22....	40	59	32	....	....	63	1320	2020	1140	236	173	1510
23....	42	61	32	....	....	98	906	2240	906	205	193	932
24....	42	59	34	....	....	121	750	1930	820	185	298	595
25....	43	52	34	....	....	112	938	1960	678	177	328	430
26....	49	52	34	....	....	201	1100	1870	590	162	364	364
27....	49	57	34	....	....	201	1070	1690	530	158	346	310
28....	46	52	36	43	....	246	1250	1570	458	205	458	268
29....	46	52	36	....	....	334	1570	1630	391	185	364	237
30....	49	49	36	....	....	412	1300	1530	370	165	280	224
31....	49	....	36	....	....	298	....	1960	....	154	223	....
Total	1297	1762	1118	....	....	3282	28827	55370	27222	8027	7407	20465
Mean.	41.9	58.7	36.1	40	68	106	961	1790	907	259	239	682
Max..	49	88	52	....	....	412	2360	2380	1530	642	458	4310
Min..	40	44	....	....	....	32	173	1100	370	154	124	146
Acre-ft.	2580	3490	2220	2460	3780	6520	57200	110000	54000	15900	14700	40600

Discharge of Dolores River at Dolores for Year Ending Sept. 30, 1926.
Drainage Area, 524 Square Miles. Altitude, 6,954 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	192	224	....	....	....	96	192	1910	3840	1850	375	35
2....	184	210	....	....	....	98	174	2010	4030	1780	375	35
3....	161	242	....	....	....	98	183	1960	4100	1720	315	35
4....	152	228	....	....	....	99	156	2120	4520	1860	287	55
5....	169	210	....	....	....	100	201	2480	4440	1940	260	55
6....	340	202	105	....	....	102	260	2600	4520	1850	165	55
7....	264	219	....	....	....	104	371	2380	4200	1690	143	57
8....	224	202	....	....	....	106	442	1910	3920	1620	165	53
9....	210	....	....	....	....	108	375	1900	3720	1450	120	47
10....	206	....	....	....	....	110	333	1780	3960	1260	120	55
11....	301	....	....	....	....	112	435	1650	4080	1180	85	70
12....	282	....	....	76	....	115	491	1650	3840	1120	85	120
13....	268	....	....	....	....	118	543	1600	3940	1070	85	120
14....	286	....	....	....	....	120	558	1650	3840	1030	82	120
15....	264	....	....	....	....	150	700	1760	3430	1020	76	120
16....	260	....	....	....	....	200	875	2020	2620	1020	76	120
17....	260	....	....	....	....	190	893	2250	2410	920	76	120
18....	250	....	....	....	81	180	803	2620	2200	830	70	120
19....	237	....	....	....	....	170	1120	2920	2000	785	70	120
20....	228	....	....	....	....	160	960	3610	1840	740	70	103
21....	232	....	....	....	....	156	1180	4320	1790	785	61	85
22....	219	....	....	....	....	147	1490	4440	1720	785	58	85
23....	228	....	....	....	....	210	1560	4440	1590	580	55	70
24....	278	....	....	....	....	293	1880	4780	1660	620	53	55
25....	242	....	....	....	....	282	1860	4780	1620	660	53	55
26....	232	....	....	....	....	235	2180	4620	1670	580	45	64
27....	242	....	....	....	....	220	2210	4130	1910	505	45	58
28....	237	....	....	....	....	188	2140	3390	1990	405	43	61
29....	250	....	....	....	....	188	2250	3090	1760	435	35	61
30....	250	....	....	62	....	183	2210	3170	1840	375	35	64
31....	228	....	....	....	....	201	....	3390	....	375	35	....
Total	7376	....	....	....	....	4838	29025	87330	89030	32840	3618	2273
Mean.	238	166	95	74	78	156	968	2820	2970	1060	117	75.8
Max..	340	....	....	....	....	293	2250	4780	4520	1940	375	120
Min..	152	....	....	....	....	....	156	1600	1590	375	35	35
Acre-ft	14600	9880	5840	4550	4330	9590	57600	173000	177000	65200	7190	4510

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of San Miguel River at Naturita for Year Ending Sept. 30, 1925.
Drainage Area, 1,080 Square Miles. Altitude, 5,426 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	58	89	93	....	....	74	292	514	1020	653	146	400
2....	58	86	74	....	....	89	218	525	682	613	146	464
3....	58	84	84	....	....	86	252	694	455	525	160	568
4....	58	84	80	....	....	93	335	841	442	653	205	489
5....	62	76	72	....	....	97	372	841	464	821	261	361
6....	84	80	76	....	....	113	372	757	420	568	192	325
7....	89	80	....	....	....	119	308	757	400	442	154	252
8....	103	66	....	....	....	170	240	744	400	442	146	224
9....	100	76	....	....	....	116	302	744	335	489	136	224
10....	89	80	....	....	....	100	361	776	380	464	150	218
11....	86	74	....	....	....	89	464	757	489	489	205	197
12....	86	55	....	....	....	103	579	636	489	596	197	213
13....	86	60	....	....	....	97	757	624	442	464	160	197
14....	89	72	....	....	....	86	928	732	504	455	136	197
15....	93	64	....	....	....	89	996	624	653	372	132	154
16....	89	64	....	....	....	97	1100	694	928	361	119	154
17....	86	66	....	....	....	93	1300	744	808	335	108	146
18....	86	66	....	....	....	80	1340	956	841	308	141	232
19....	86	69	....	....	....	86	942	996	888	292	188	1580
20....	86	72	....	....	....	97	694	1010	1020	400	205	744
21....	86	74	....	....	....	93	732	996	1100	474	146	442
22....	86	74	....	....	....	93	713	888	1080	474	141	350
23....	80	74	....	....	....	136	624	942	1080	315	146	302
24....	80	69	....	....	....	166	429	976	996	282	420	282
25....	76	66	....	....	....	174	464	956	888	232	292	218
26....	76	64	....	....	....	246	514	928	694	213	270	224
27....	76	72	....	....	....	205	557	1010	713	197	315	218
28....	76	76	....	....	....	224	525	841	568	232	361	197
29....	80	80	....	....	....	246	579	976	636	174	325	181
30....	89	80	....	....	....	315	568	1010	670	170	246	166
31....	86	....	....	....	....	252	....	1080	....	154	240	....
Total	2523	2192	....	....	....	4124	17857	25569	20485	12659	6189	9979
Mean...	81.4	73.1	70	65	62	133	595	825	683	408	200	333
Max...	103	89	....	....	....	315	1340	1080	1100	821	420	1580
Min...	58	55	....	....	....	74	218	514	335	154	108	146
Acre-ft.	5010	4350	4300	4000	3440	8180	35400	50700	40600	25100	12300	19800

Discharge of San Miguel River at Naturita for Year Ending Sept. 30, 1926.
Drainage Area, 1,080 Square Miles. Altitude, 5,426 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	205	197	....	....	170	89	114	1450	1310	904	232	60
2....	197	197	....	....	180	100	114	1430	1370	866	218	60
3....	187	205	....	....	213	111	114	1400	1400	866	218	55
4....	187	197	....	....	192	147	114	1480	1380	851	246	54
5....	205	180	....	....	158	124	164	1440	1380	936	218	53
6....	326	180	....	....	158	102	252	1620	1670	947	232	51
7....	381	180	....	....	128	94	381	1440	1580	830	276	53
8....	276	164	....	....	114	108	420	1430	1560	747	326	51
9....	232	168	....	....	143	108	351	1360	1590	688	246	50
10....	224	173	....	....	147	125	389	1150	1570	641	192	47
11....	232	180	....	....	94	111	400	1000	1590	595	168	66
12....	302	164	....	....	91	138	462	920	1500	572	168	99
13....	292	164	....	....	86	114	506	882	1430	550	158	69
14....	270	151	....	....	86	132	595	866	1390	484	168	59
15....	246	138	....	....	75	164	604	893	1370	471	187	55
16....	224	168	....	....	70	180	788	893	1310	471	138	59
17....	224	164	....	....	75	192	830	958	1310	441	128	56
18....	218	164	....	....	70	246	882	1010	1150	420	125	59
19....	218	147	....	....	75	187	1060	1030	1000	389	120	50
20....	224	147	....	....	81	197	866	1240	947	381	108	51
21....	232	147	....	....	75	173	947	1580	947	389	97	53
22....	240	147	....	....	91	158	1520	1480	866	351	91	68
23....	246	147	....	....	81	180	1270	1400	947	292	91	60
24....	261	164	....	....	63	213	1370	1540	974	261	81	53
25....	240	132	....	....	91	197	1430	1510	1000	252	75	51
26....	240	111	....	....	78	168	1400	1450	947	224	70	66
27....	240	102	....	....	75	158	1380	1430	893	224	75	132
28....	232	86	....	....	78	132	1370	1300	814	362	70	116
29....	224	63	....	....	....	120	1370	1240	798	428	66	80
30....	218	63	....	....	....	94	1440	1180	762	283	70	81
31....	205	....	....	....	....	132	....	1070	....	246	66	....
Total	7448	4590	....	....	3038	4494	22903	39072	36755	16362	4724	1917
Mean...	240	153	80	75	108	145	763	1260	1230	528	152	63.9
Max...	381	205	....	....	213	246	1520	1620	1670	947	326	132
Min...	187	63	....	....	63	89	114	866	762	224	66	47
Acre-ft.	14800	9100	4920	4610	6000	8920	45400	77500	73200	32500	9350	3800

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Lost Canon Creek at Dolores for Year Ending Sept. 30, 1925.
Drainage Area, 81 Square Miles. Altitude, 6,943 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	3	21	43	1	....	....	....
2....	3	24	43	0	....	....	....
3....	3	32	55	1	....	....	....
4....	3	24	32	1	....	....	....
5....	3	18	38	0	....	....	....
6....	3	12	43	1	....	....	....
7....	4.5	2	9	50	1	....	....	....
8....	2	15	56	1	....	....	....
9....	3	21	93	1	....	....	....
10....	3	28	32	1	....	....	....
11....	2	83	38	1	....	....	....
12....	2	73	32	1	....	....	....
13....	2	105	32	1	....	....	....
14....	3	105	32	1	....	....	....
15....	2	157	32	1	....	....	....
16....	3	116	32	1	....	....	....
17....	4	105	15	1	....	....	....
18....	Oct.	Nov.	Dec.	Jan.	Feb.	5	93	6	0	....	....	....
19....	4	83	6	0	....	....	....
20....	5	116	4	0	....	....	....
21....	5	129	3	0	....	....	....
22....	5	93	3	1	....	....	....
23....	4	64	2	0	....	....	....
24....	6	105	2	0	....	....	....
25....	9	105	1	0	....	....	....
26....	12	73	1	0	....	....	....
27....	13	73	0	0	....	....	....
28....	10	56	1	5	....	....	....
29....	Nov.	....	....	....	10	43	1	0	....	....	....
30....	13	38	1	0	....	....	....
31....	15	....	0	....	....	....	....
Total	156	2019	729	22	....	....	....
Mean..	4.0	5.03	67.3	23.5	0.73	....	....	....
Max..	15	157	56	5	....	....	....
Min..	2	9	0	0	....	....	....
Acre-ft.	222	309	4000	1440	43	....	....	....

Discharge of Lost Canon Creek at Dolores for Year Ending Sept. 30, 1926.
Drainage Area, 81 Square Miles. Altitude, 6,943 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	14	248	64	....	....	....
2....	10	261	59	....	....	....
3....	10	288	48	....	....	....
4....	8	301	44	....	....	....
5....	5	330	37	....	....	....
6....	18	391	31	....	....	....
7....	88	424	26	....	....	....
8....	160	376	21	....	....	....
9....	68	274	16	....	....	....
10....	78	212	12	....	....	....
11....	94	142	8	....	....	....
12....	73	134	4	....	....	....
13....	94	127	1	....	....	....
14....	83	142	1	....	....	....
15....	142	201	1	....	....	....
16....	160	236	1	....	....	....
17....	160	274	0	....	....	....
18....	261	345	0	....	....	....
19....	474	360	0	....	....	....
20....	474	316	0	....	....	....
21....	8	630	424	0	....	....
22....	24	440	494	0	....	....	....
23....	21	345	440	0	....	....	....
24....	18	935	376	0	....	....	....
25....	21	683	301	0	....	....	....
26....	14	508	248	0	....	....	....
27....	18	490	151	0	....	....	....
28....	12	474	100	0	....	....	....
29....	10	508	83	0	....	....	....
30....	14	360	78	0	....	....	....
31....	18	....	68	....	....	....	....
Total	7847	8145	374	0	0	0
Mean..	262	263	12.5	0	0	0
Max..	935	494	64	....	....	....
Min..	5	68	0	....	....	....
Acre-ft.	15600	16200	744	0	0	0

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Paria River at Lee's Ferry, Arizona, for Year Ending Sept. 30, 1924.
Drainage Area, Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....			28	12	25	21	38	4	7	4	9	5
2....			28	2	28	22	36	3	7	4	3	5
3....			28	5	32	23	34	2	6	5	3	5
4....			27	8	35	22	33	2	5	4	3	5
5....			27	12	42	22	31	2	4	4	3	12
6....			27	32	48	21	30	2	3	6	3	19
7....			27	51	48	21	29	2	3	12	3	27
8....			27	54	48	21	28	2	3	17	3	27
9....			24	57	38	20	27	2	4	16	3	45
10....			21	54	29	20	27	2	4	20	2	1370
11....			14	51	30	20	26	2	4	25	2	740
12....			8	48	31	21	26	3	4	17	3	32
13....			4	46	33	22	26	3	4	14	3	19
14....			4	43	36	22	27	3	4	10	4	21
15....			4	40	38	23	27	3	4	13	9	22
16....			42	37	34	24	27	3	4	9	9	23
17....			41	34	30	24	21	3	4	5	8	25
18....			42	31	27	25	15	3	4	5	8	27
19....			40	5	28	29	13	3	3	5	7	18
20....			38	24	30	28	12	3	3	5	7	9
21....			38	27	31	28	10	3	3	5	7	8
22....		29	39	30	25	27	8	3	3	5	6	7
23....		29	34	26	19	27	6	3	3	5	6	6
24....		29	33	23	19	26	7	3	3	5	6	6
25....		29	32	26	20	26	8	3	3	5	6	7
26....		29	32	29	21	25	7	4	3	6	7	8
27....		28	27	29	20	32	7	10	3	26	6	8
28....		28	22	30	19	39	5	15	3	415	6	8
29....		28	22	30	20	38	3	12	3	328	5	8
30....		28	21	41	....	36	3	8	3	38	5	8
31....		....	21	23	....	37	....	8	....	27	5	....
Total		257	822	960	884	792	597	124	114	1065	160	2530
Mean		28.6	26.5	31.0	30.5	25.5	19.9	4.0	3.8	34.4	5.2	84.3
Max.	9 days	42	57	48	48	39	38	15	7	415	9	1370
Min.		4	2	19	20	3	2	2	3	4	2	5
Acre-ft.	511	1630	1910	1750	1570	1180	246	226	2120	320	5020	

Discharge of Paria River at Lee's Ferry, Arizona, for Year Ending Sept. 30, 1925.
Drainage Area, Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	8	18	14	6	35	24	13	6	2	25	50	10
2....	6	18	17	6	35	26	12	5	2	25	50	15
3....	6	19	19	6	35	28	12	5	3	25	50	50
4....	5	19	21	6	35	30	11	5	3	25	50	23
5....	6	19	24	6	35	32	10	4	3	475	50	20
6....	6	21	26	6	35	34	10	3	3	50	23	18
7....	6	23	7	6	34	38	12	3	3	17	40	20
8....	193	22	6	6	53	41	14	3	3	15	58	21
9....	15	22	5	6	72	36	14	4	4	13	440	16
10....	15	24	7	6	50	31	14	5	3	26	21	11
11....	15	25	6	6	28	27	10	5	2	39	16	10
12....	15	23	6	6	31	23	7	4	2	30	11	10
13....	15	21	28	6	26	26	4	4	2	20	13	15
14....	19	23	28	6	22	28	4	3	2	14	15	20
15....	23	25	28	6	22	18	4	3	3	8	12	12
16....	20	26	30	8	23	17	4	3	2	7	8	12
17....	17	26	55	8	17	16	4	3	2	6	7	12
18....	14	26	20	8	11	16	4	2	2	6	6	2250
19....	11	27	10	8	9	15	4	2	2	5	7	2650
20....	8	26	7	8	8	14	4	3	2	145	8	470
21....	12	25	4	8	16	12	5	2	2	105	8	55
22....	17	23	3	8	25	14	6	2	2	37	21	35
23....	16	21	3	8	24	15	32	2	12	21	14	19
24....	14	20	2	8	23	12	28	2	5	12	7	18
25....	14	20	5	8	22	11	25	2	5	9	7	18
26....	15	21	5	8	22	10	20	2	6	6	250	17
27....	14	19	5	8	22	13	16	2	6	6	1450	16
28....	12	17	5	8	22	16	12	2	6	6	850	16
29....	16	14	5	8	....	15	10	2	6	8	200	15
30....	17	12	5	8	....	14	7	2	6	10	100	14
31....	18	....	5	76	....	13	....	2	....	24	12	....
Total	588	645	411	286	792	665	332	97	106	1220	3854	5888
Mean	19.0	21.5	13.3	9.2	28.3	21.5	11.1	3.1	3.5	39.4	124	196
Max.	193	27	55	76	72	41	32	6	12	475	1450	2650
Min.	5	12	2	6	8	10	4	2	2	5	6	10
Acre-ft.	1170	1280	818	566	1570	1320	660	191	208	2420	7620	11700

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Paria River at Lee's Ferry, Arizona, for Year Ending Sept. 30, 1926.
Drainage Area, Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	12	17	20	18	31	14	50	10	2	4	16	3
2....	12	21	18	30	34	14	40	10	2	3	6	3
3....	12	77	17	21	17	16	22	20	2	2	6	2
4....	16	46	15	16	34	16	19	31	2	3	5	2
5....	5500	41	13	12	42	16	17	23	2	5	19	2
6....	2650	36	13	9	36	16	100	26	2	25	20	2
7....	150	31	14	12	22	16	63	29	2	13	125	3
8....	40	26	14	15	22	14	59	25	2	13	155	19
9....	35	22	14	18	21	16	275	21	2	5	39	14
10....	35	17	15	20	24	14	250	17	2	4	110	4
11....	35	17	15	21	22	17	85	13	2	2	45	22
12....	35	17	14	22	20	17	74	12	2	3	14	600
13....	36	17	13	19	22	16	85	11	2	3	7	63
14....	26	17	11	16	34	16	100	10	2	3	6	23
15....	24	17	12	17	22	14	34	10	2	3	3	17
16....	23	16	17	18	24	16	26	8	2	3	11	14
17....	22	16	17	18	26	16	29	6	2	3	8	14
18....	22	15	13	19	17	14	30	5	2	2	12	14
19....	22	14	14	19	11	16	130	5	2	3	6	14
20....	20	14	18	20	26	18	50	5	2	3	5	14
21....	19	14	16	20	18	18	44	3	2	3	4	13
22....	17	14	14	19	16	28	25	3	2	3	3	13
23....	20	15	14	18	16	16	23	3	2	3	3	12
24....	17	16	14	18	14	14	20	3	2	2	2	12
25....	20	15	24	19	12	9	16	3	1	2	2	12
26....	19	14	15	19	17	8	13	3	2	2	2	125
27....	18	14	18	18	14	11	12	3	2	2	2	31
28....	17	14	10	18	16	16	12	3	2	150	2	45
29....	17	20	13	21	....	14	11	3	2	52	3	26
30....	17	20	17	24	....	6	10	3	2	45	3	160
31....	17	....	20	28	....	6	....	3	....	22	3	....
Total	8925	650	472	582	630	458	1724	330	59	391	647	1300
Mean.	288	21.7	15.2	18.8	22.5	14.8	57.5	10.6	2.0	12.6	20.9	43.3
Max..	5500	77	24	30	42	28	275	31	2	150	155	600
Min..	12	14	10	9	11	6	10	3	1	2	2	2
Acre-ft. 17700	1290	935	1160	1250	910	3420	652	119	775	1290	2580	

Unless otherwise noted, all discharges are in cubic feet per second.

SAN JUAN RIVER DRAINAGE

SAN JUAN RIVER AT ROSA, NEW MEXICO

Location—In Sec. 11, T. 32 N., R. 6 W., at highway bridge one-half mile north of Rosa, New Mexico.

Records Available—October 1, 1920, to September 30, 1926. From 1895 to 1899 and August 21, 1910, to September 30, 1920, a station was maintained at Arboles. The San Juan River at Arboles, plus the Piedra River at Arboles, gives the flow of the San Juan River at Rosa.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Records furnished by the State Engineer of New Mexico.

NAVAJO RIVER AT EDITH

Location—In Sec. 24, T. 32 N., R. 1 E., one-eighth mile east of Edith.

Records Available—September 21, 1912, to September 30, 1926.

Gage—Vertical staff.

Accuracy—Records considered good.

Co-operation—Records furnished by the State Engineer of New Mexico.

PIEDRA RIVER AT ARBOLES

Location—In Sec. 16, T. 32 N., R. 5 W., one-half mile above mouth.

Records Available—June 19, 1895, to September 30, 1899; August 21, 1910, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Records furnished by the State Engineer of New Mexico.

PINE RIVER NEAR BAYFIELD

Location—In Sec. 18, T. 36 N., R. 6 W., just below mouth of Vallecito Creek.

Records Available—June 1, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

PINE RIVER NEAR IGNACIO

Location—In Sec. 8, T. 33 N., R. 7 W., at Southern Ute Indian Agency.

Records Available—April 22, 1899, to October 31, 1903; September 1, 1910, to November 30, 1912; March 10, 1913, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Records furnished by the State Engineer of New Mexico.

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ANIMAS RIVER AT DURANGO

Location—At footbridge at the Western Colorado Power Company's power plant.

Records Available—June 20, 1895, to December 31, 1905; January 1, 1910, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

Co-operation—Station maintained in co-operation with the State Engineer of New Mexico.

HERMOSA CREEK NEAR HERMOSA

Location—In Sec. 34, T. 37 N., R. 9 W., one mile above Hermosa.

Records Available—April 18, 1920, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

LA PLATA RIVER AT HESPERUS

Location—In Sec. 14, T. 35 N., R. 11 W., at Hesperus.

Records Available—June 15, 1904, to August 11, 1904; April 1, 1906, to August 11, 1906; August 24, 1910, to December 31, 1910; May 25, 1917, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered good.

LA PLATA RIVER AT COLORADO-NEW MEXICO LINE

Location—Three hundred feet south of the Colorado-New Mexico line, three miles north of Pendleton, New Mexico.

Records Available—February 19, 1920, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

MANCOS RIVER NEAR TOWAOC

Location—At Ute Indian Farm in Sec. 15, T. 32 S., R. 18 W.

Records Available—February 1, 1921, to September 30, 1926.

Gage—Staff gage.

Accuracy—Records considered fair.

McELMO CREEK NEAR CORTEZ

Location—In Sec. 33, T. 36 N., R. 17 W., eight miles west of Cortez.

Records Available—May 1, to September 30, 1926.

Gage—Automatic recording gage.

Accuracy—Records considered fair.

Discharge of San Juan River at Rosa, New Mexico, for Year Ending Sept. 30, 1925.
Drainage Area, 2,044 Square Miles. Altitude, 6,000 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	120	221	349	210	168	370	1480	1840	2480	1140	670	1100
2....	110	221	344	206	174	380	1100	1740	2050	1060	580	1530
3....	116	230	339	202	180	390	1300	1980	1580	995	565	1240
4....	122	242	334	198	186	400	1610	2400	1700	950	600	1000
5....	128	242	329	194	192	410	1900	2450	2050	835	600	925
6....	134	251	324	190	198	420	1820	2220	2200	1170	580	765
7....	140	251	319	186	204	420	1420	2240	1800	970	550	705
8....	135	200	314	182	210	820	1150	2210	1750	870	775	635
9....	248	215	309	178	216	1200	1220	2280	1900	975	670	602
10....	206	225	304	174	222	475	1380	2200	2040	1080	835	558
11....	203	236	299	170	229	400	1720	2140	2350	1260	965	530
12....	224	247	294	166	236	364	1980	2010	2070	1280	805	495
13....	203	258	289	162	243	416	2250	1940	1840	1220	710	620
14....	224	269	284	158	250	280	2280	2200	2050	1150	620	700
15....	440	280	279	154	257	300	2450	1860	2400	1120	550	550
16....	535	292	274	150	264	392	2480	2100	2540	1120	500	470
17....	384	296	270	146	271	465	2660	2010	2560	1140	455	430
18....	332	380	266	142	278	460	2540	2460	2400	1310	425	702
19....	424	380	262	138	285	396	2370	2840	2360	1310	500	2200
20....	420	328	258	134	292	435	2140	3060	2390	1550	530	2420
21....	292	352	254	130	299	600	2200	3090	2660	1890	450	1940
22....	260	340	250	126	306	840	2180	2480	2840	1800	440	1120
23....	254	316	246	132	313	1080	1860	2580	2340	1330	450	1020
24....	251	325	242	138	320	1220	1720	2830	2000	1040	627	930
25....	242	334	238	144	330	1340	1580	2460	1850	835	799	860
26....	245	344	234	150	340	1460	1440	2440	1660	740	980	775
27....	230	354	230	156	350	1570	1500	2340	1540	800	870	710
28....	224	364	226	162	360	1480	1620	2340	1440	870	775	655
29....	221	374	222	164	....	1560	1930	2340	1300	870	700	580
30....	221	360	218	165	....	1560	1920	2370	1170	845	615	550
31....	221	....	214	166	....	1340	....	2870	....	845	550	....
Total	7509	8727	8614	5073	7173	23243	55200	72320	61310	34370	19751	27317
Mean.	242	291	278	164	256	750	1840	2330	2040	1110	637	911
Max..	535	380	349	210	360	1570	2660	3090	2840	1890	980	2420
Min..	110	200	214	126	168	280	1100	1740	1170	740	440	430
Acre-ft.	14900	17300	17100	10100	14200	46100	109000	143000	121000	68200	29200	54200

Discharge of San Juan River at Rosa, New Mexico, for Year Ending Sept. 30, 1926.
Drainage Area, 2,044 Square Miles. Altitude, 6,000 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	480	682	410	311	319	380	580	2830	3980	....	345	207
2....	455	640	430	310	317	510	690	2850	3940	....	320	195
3....	440	680	430	310	315	570	950	3230	3900	....	310	187
4....	415	815	355	318	313	735	1080	3040	3640	....	380	191
5....	476	700	275	327	311	740	1220	4020	3790	....	380	203
6....	2040	625	325	336	309	665	2140	6040	3950	....	385	207
7....	1360	645	370	345	307	448	1960	4630	4860	....	380	183
8....	1040	660	390	355	305	375	2090	3230	4100	....	1180	183
9....	880	700	365	365	303	445	1640	2720	4180	....	....	183
10....	875	600	359	363	301	500	1310	2240	3920	....	....	175
11....	1350	635	352	361	299	515	1420	2020	4020	....	....	183
12....	1300	625	345	359	297	505	1490	1920	3760	....	....	203
13....	1260	615	337	357	295	520	1550	1830	3520	....	....	260
14....	1210	605	331	355	293	620	1620	1920	3380	....	....	243
15....	1160	595	325	353	291	698	1680	2230	3340	....	....	195
16....	1120	585	324	351	289	780	1750	2390	3100	....	....	179
17....	1070	575	323	349	287	815	2350	2540	2800	....	....	203
18....	1020	565	323	347	286	865	2020	2700	2470	....	....	223
19....	974	555	322	345	285	765	2140	2860	2300	....	....	....
20....	927	545	321	343	284	765	2720	3450	2320	....	....	....
21....	880	535	320	341	283	815	2460	4250	2280	....	....	....
22....	825	525	320	339	282	790	2540	4260	2120	....	....	....
23....	820	507	319	337	281	830	2900	4450	....	....	....	....
24....	835	489	318	335	280	1000	3130	4500	....	....	122	....
25....	880	471	317	333	250	1000	3260	4120	....	....	175	....
26....	810	453	317	331	253	805	3400	4240	....	....	247	....
27....	795	435	316	329	270	702	3500	4200	....	....	251	....
28....	940	417	315	327	308	620	3400	4150	....	....	235	....
29....	745	400	314	325	....	600	3100	4110	....	440	227	....
30....	725	410	313	323	....	530	3120	4070	....	375	223	....
31....	685	....	312	321	....	555	....	4030	....	340	235	....
Total	28792	17289	10493	10501	8213	20463	63210	105070	....	....	....	....
Mean.	929	576	338	339	293	660	2110	3390	....	....	....	....
Max..	2040	815	430	365	319	1000	3500	6040	....	....	....	....
Min..	415	400	275	310	250	380	580	1830	....	....	....	....
Acre-ft.	57100	34300	20800	20800	16300	40600	126000	208000	....	....	....	....

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Navajo River at Edith for Year Ending Sept. 30, 1925.
Drainage Area, 165 Square Miles. Altitude, 7,100 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	31	31	31	22	26	70	233	334	390	174	125	53
2....	31	31	31	22	28	71	266	334	353	150	125	60
3....	31	31	31	21	30	73	266	334	299	150	125	60
4....	31	31	31	21	31	74	266	334	299	163	125	60
5....	31	31	31	21	33	75	266	334	299	163	125	60
6....	31	31	31	20	34	77	266	334	299	150	125	60
7....	31	31	31	20	36	78	266	334	282	150	102	60
8....	31	31	31	19	38	80	353	334	282	150	102	60
9....	31	31	31	19	39	81	353	372	282	150	102	60
10....	31	31	31	19	41	82	353	372	282	150	102	60
11....	31	31	31	18	42	84	353	372	299	150	102	60
12....	31	31	30	18	44	85	372	372	299	150	102	60
13....	31	31	30	17	46	87	372	353	317	125	79	60
14....	31	31	29	17	47	88	372	353	317	125	79	60
15....	31	31	29	17	49	89	372	353	317	125	79	60
16....	31	31	29	16	50	90	372	353	317	125	102	60
17....	31	31	28	16	52	90	372	353	317	125	102	60
18....	31	31	28	16	53	150	372	353	317	125	79	334
19....	31	31	27	16	55	150	372	448	372	150	69	282
20....	31	31	27	15	56	150	372	448	372	150	69	150
21....	31	31	27	15	59	150	372	448	372	150	69	125
22....	31	31	26	15	60	150	372	448	372	125	69	60
23....	31	31	26	14	61	150	353	448	372	125	69	60
24....	31	31	25	14	63	174	334	390	299	125	60	60
25....	31	31	25	16	64	174	266	372	299	125	60	60
26....	31	31	25	17	66	174	266	390	174	125	60	60
27....	31	31	24	18	67	233	266	390	174	125	46	42
28....	31	31	24	20	68	233	334	390	174	125	46	42
29....	31	31	23	22	....	233	334	390	174	125	53	42
30....	31	31	23	23	....	233	334	390	174	125	53	42
31....	31	....	23	25	....	233	....	390	....	125	53	....
Total	961	930	869	569	1338	3961	9820	11620	8895	4300	2658	2372
Mean.	31.0	31.0	28.0	18.4	47.8	128	327	375	297	139	85.7	79.1
Max.	31	31	31	25	68	233	372	448	390	174	125	334
Min.	31	31	23	14	26	70	233	334	174	125	46	42
Acre-ft.	1910	1840	1720	1130	2650	7870	19500	23100	17700	8550	5270	4710

Discharge of Navajo River at Edith for Year Ending Sept. 30, 1926.
Drainage Area, 165 Square Miles. Altitude, 7,100 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	60	79	42	....	....	....	114	532	775	335	138	46
2....	60	79	46	....	....	....	114	532	775	335	138	36
3....	60	79	46	....	....	....	114	532	775	335	138	36
4....	60	79	46	....	....	....	114	532	775	335	138	36
5....	60	79	46	....	....	....	114	532	775	335	138	36
6....	267	79	46	....	....	....	114	532	775	335	138	36
7....	204	79	46	....	....	....	114	335	775	335	138	36
8....	150	79	46	....	....	....	335	335	710	335	138	36
9....	150	79	46	....	....	....	335	335	710	335	138	36
10....	150	42	46	....	....	....	335	335	665	278	138	36
11....	204	42	46	....	....	....	320	335	665	278	138	36
12....	267	42	46	....	....	....	320	335	438	355	138	36
13....	267	42	46	....	....	....	320	510	438	278	46	36
14....	100	42	46	....	....	....	320	510	438	250	46	40
15....	100	42	46	....	....	....	430	510	438	250	46	46
16....	100	42	46	....	....	....	430	510	438	250	46	46
17....	100	42	46	....	....	....	430	510	438	250	46	46
18....	100	42	46	....	....	....	430	510	438	250	46	46
19....	100	42	46	....	....	....	430	510	438	250	46	46
20....	100	42	46	....	....	....	430	510	355	250	46	46
21....	100	42	46	....	....	....	559	665	355	138	46	46
22....	79	42	46	....	....	....	559	665	355	138	46	46
23....	79	42	46	....	....	....	559	665	335	138	46	46
24....	79	42	46	....	....	....	559	665	335	138	46	46
25....	79	42	46	....	....	....	559	665	335	138	46	46
26....	79	42	46	....	....	....	559	775	335	138	46	46
27....	79	42	46	....	....	....	559	775	335	138	46	46
28....	79	42	46	....	....	....	559	775	335	138	46	46
29....	79	42	46	....	....	....	559	775	335	138	46	46
30....	79	42	46	....	....	....	532	775	335	138	46	46
31....	79	....	46	....	....	....	....	775	....	138	46	....
Total	3549	1593	1422	....	....	....	11226	17257	15424	7472	2530	1254
Mean.	114	53.1	45.9	....	....	....	375	557	514	241	81.6	41.5
Max.	267	79	46	....	....	....	559	775	775	355	138	46
Min.	60	42	42	....	....	....	114	335	335	138	46	36
Acre-ft.	7010	3160	2820	....	....	....	22300	34200	30600	14800	5020	2490

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Piedra River at Arboles for Year Ending Sept. 30, 1925.
Drainage Area, 650 Square Miles. Altitude, 6,000 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	63	57	66	46	40	68	480	835	1280	345	212	308
2....	63	57	67	46	41	69	520	740	850	389	205	1900
3....	57	57	68	45	42	70	560	980	575	433	198	1510
4....	57	57	68	44	43	71	560	1400	505	477	189	1120
5....	57	50	69	43	44	72	500	1450	850	520	182	740
6....	63	57	70	42	45	73	520	1100	1400	566	174	615
7....	57	42	70	41	46	74	540	750	800	415	167	502
8....	57	50	71	40	47	75	530	788	550	314	160	435
9....	57	50	72	39	48	75	520	724	702	276	161	394
10....	57	50	73	38	49	75	540	701	835	306	163	356
11....	57	51	73	37	50	95	560	678	1150	372	164	316
12....	57	51	74	37	51	119	972	656	870	394	166	300
13....	57	52	75	36	52	75	988	615	640	460	168	336
14....	57	53	75	35	53	95	988	740	850	378	170	372
15....	57	54	75	34	54	95	988	615	607	254	172	348
16....	75	54	57	34	55	75	1010	660	364	238	172	280
17....	86	54	57	33	56	106	988	800	415	247	160	246
18....	63	55	56	32	57	119	988	1230	432	230	148	216
19....	63	56	56	31	58	141	1370	1640	382	212	180	398
20....	63	57	55	30	59	166	1130	1860	364	208	218	1520
21....	63	58	55	30	60	192	1200	1890	444	314	180	1140
22....	63	59	54	31	61	220	1180	1280	372	328	166	868
23....	63	59	53	32	62	220	860	1380	308	280	172	620
24....	57	60	52	33	63	236	717	1600	244	236	242	480
25....	57	60	52	33	64	246	576	1040	210	210	312	415
26....	57	61	51	34	65	246	435	924	188	210	382	372
27....	57	62	50	35	66	308	495	978	172	210	452	328
28....	63	63	49	36	67	340	620	978	215	211	398	290
29....	57	64	49	37	....	408	930	1020	258	211	345	268
30....	57	65	48	38	....	426	925	1080	301	211	292	240
31....	57	....	47	39	....	462	....	1190	....	212	270	....
Total	1874	1675	1913	1141	1498	5112	23190	32318	17133	9667	6740	17233
Mean.	60.5	55.8	61.7	36.8	53.5	165	773	1040	571	312	217	574
Max..	86	65	75	46	67	462	1370	1890	1400	566	452	1900
Min..	57	42	47	30	40	68	435	615	172	210	148	216
Acre-ft.	3720	3320	3790	2260	2970	10100	46000	64000	34000	19200	13300	34200

Discharge of Piedra River at Arboles for Year Ending Sept. 30, 1926.
Drainage Area, 650 Square Miles. Altitude, 6,000 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	220	278	141	102	101	....	....	....	....	....	....	74
2....	215	273	137	104	103	....	....	850	....	....	....	74
3....	198	268	133	106	104	....	....	....	....	....	....	74
4....	200	264	129	108	105	....	....	....	....	....	....	74
5....	215	259	125	110	107	....	....	....	....	....	....	68
6....	840	254	120	112	109	....	....	1880	1970	....	....	68
7....	500	250	116	114	....	....	....	....	....	....	....	68
8....	400	246	112	116	....	....	....	....	....	....	....	68
9....	350	242	107	118	....	....	....	....	....	....	....	68
10....	580	237	103	118	....	....	....	....	....	....	....	68
11....	1240	233	98	117	....	....	....	....	....	....	....	68
12....	1220	228	94	116	....	....	....	....	760	....	....	74
13....	1220	223	90	115	....	....	....	....	....	....	....	74
14....	1080	219	94	114	....	....	....	....	....	....	....	74
15....	810	214	98	114	....	....	400	....	....	....	....	74
16....	738	209	102	113	....	....	....	....	1970	....	....	74
17....	580	204	106	112	....	380	....	....	....	....	....	74
18....	542	199	110	111	....	....	....	....	....	....	....	80
19....	520	194	114	110	....	....	....	....	....	....	....	68
20....	496	189	118	109	....	....	....	....	....	....	....	68
21....	460	184	115	108	....	....	....	....	....	....	....	68
22....	460	180	112	107	....	....	....	....	275	....	....	68
23....	552	176	109	106	....	....	....	....	....	....	....	68
24....	595	171	106	105	....	....	....	....	....	....	....	68
25....	348	166	104	104	....	....	....	....	....	....	....	60
26....	332	162	102	103	....	....	....	....	....	....	....	60
27....	319	158	100	102	....	430	....	....	....	....	....	60
28....	319	154	100	102	....	....	....	....	....	....	....	60
29....	308	150	100	101	....	....	....	....	....	....	....	60
30....	308	145	100	100	....	....	....	....	....	....	....	60
31....	283	....	100	100	....	....	....	....	....	....	....	....
Total	16248	6329	3395	3377	....	....	....	....	....	....	....	2064
Mean.	524	211	110	109	....	....	....	....	....	....	....	68.8
Max..	1240	278	141	118	....	....	....	....	....	....	....	80
Min..	198	145	90	100	....	....	....	....	....	....	....	60
Acre-ft.	32200	12600	6760	6700	....	....	....	....	....	....	....	4090

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Pine River Above Bayfield for Year Ending Sept. 30, 1926.
Drainage Area, 264 Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	4140	905	468	124
2.....	4320	905	468	120
3.....	4500	905	424	114
4.....	4500	877	386	120
5.....	4140	830	374	145
6.....	3940	1010	331	141
7.....	3740	877	353	124
8.....	3740	868	342	114
9.....	2970	877	419	114
10.....	2970	811	391	108
11.....	2560	807	374	102
12.....	2150	803	364	175
13.....	2000	798	364	263
14.....	1850	793	353	199
15.....	1850	775	336	163
16.....	1320	748	305	159
17.....	1320	721	271	145
18.....	1100	705	263	120
19.....	1110	705	243	120
20.....	1160	687	227	105
21.....	1150	593	215	114
22.....	1030	662	203	120
23.....	915	654	183	163
24.....	936	623	171	155
25.....	4780	936	608	159
26.....	5070	936	593	145
27.....	936	637	145	138
28.....	3990	915	637	138
29.....	915	578	134	134
30.....	915	549	131	138
31.....	3990	514	131	....
Total.....	64964	23055	8811	4171
Mean.....	2170	744	284	139
Max.....	4500	1010	468	263
Min.....	915	514	131	102
Acres-ft.....	129000	45700	17500	8270

Discharge of Pine River at Ignacio for Year Ending Sept. 30, 1925.
Drainage Area, 450 Square Miles. Altitude, 6,480 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1.....	54	50	20	48	57	71	266	372	524	505	34	1740
2.....	54	49	20	48	57	60	244	352	364	554	22	1120
3.....	54	53	22	49	57	56	258	425	263	462	21	1270
4.....	53	46	23	49	57	57	281	692	263	407	25	1050
5.....	53	47	40	49	57	65	281	650	444	591	24	772
6.....	52	49	40	50	57	83	356	514	430	467	25	630
7.....	52	46	41	50	58	98	285	519	281	364	27	500
8.....	52	46	41	50	58	158	244	505	255	281	28	421
9.....	51	52	41	50	58	143	255	566	293	244	43	304
10.....	51	57	42	51	58	96	249	505	398	364	182	274
11.....	50	52	42	51	58	76	274	500	597	524	285	249
12.....	50	44	42	51	58	73	300	402	495	530	216	260
13.....	50	46	42	52	58	90	372	380	421	389	155	227
14.....	49	49	43	52	58	86	402	490	554	296	122	216
15.....	49	45	43	52	58	83	481	402	630	235	74	182
16.....	49	63	43	53	59	92	584	430	742	170	68	146
17.....	48	70	44	53	59	90	765	421	867	141	52	136
18.....	48	73	44	53	59	81	750	650	970	122	35	197
19.....	47	76	44	54	59	92	624	1030	942	98	65	1250
20.....	46	74	44	54	59	105	548	1160	1010	53	124	989
21.....	44	66	45	54	59	108	536	1230	1400	81	85	713
22.....	38	68	45	55	59	129	524	750	1740	134	71	495
23.....	39	62	45	55	50	155	435	765	1360	101	107	402
24.....	45	44	46	55	60	174	352	1030	1090	60	444	376
25.....	52	34	46	56	60	189	300	1040	876	46	486	352
26.....	57	35	46	56	66	207	277	932	849	30	402	274
27.....	56	33	47	56	74	232	289	750	742	30	364	244
28.....	55	52	47	56	76	238	266	780	735	39	352	221
29.....	54	71	47	56	....	238	296	885	604	35	246	207
30.....	53	43	48	57	....	260	352	788	554	34	213	189
31.....	52	....	48	57	....	249	....	813	....	33	179	....
Total.....	1557	1595	1271	1632	1663	3934	11446	20728	20693	7420	4576	15406
Mean.....	50.2	53.2	41.0	52.6	59.4	127	382	669	690	239	148	514
Max.....	57	76	48	57	76	260	765	1230	1740	591	486	1740
Min.....	38	33	20	48	50	56	244	352	255	30	21	136
Acres-ft.....	3090	3170	2520	3230	3300	7810	22700	41100	41100	14700	9100	30600

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Pine River at Ignacio for Year Ending Sept. 30, 1926.
Drainage Area, 450 Square Miles. Altitude, 6,480 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	240	356	142	138	70	78	160	894	1720	246	14	10
2....	270	368	145	138	69	96	146	914	1720	235	14	10
3....	244	360	148	119	67	98	197	999	1590	249	13	10
4....	210	300	151	108	66	108	225	961	1860	263	13	10
5....	221	277	154	106	64	119	246	1190	1900	304	12	10
6....	1080	300	157	105	63	110	270	1390	1810	500	12	10
7....	706	360	160	103	61	98	296	1200	1740	344	15	10
8....	486	300	150	102	60	96	356	1070	1420	255	107	10
9....	398	270	146	100	59	119	296	894	1340	218	158	10
10....	344	266	129	99	57	119	270	760	1510	184	47	10
11....	692	260	126	98	56	122	274	664	1520	179	32	10
12....	650	258	131	97	55	119	263	624	1480	467	21	12
13....	591	258	131	96	54	124	274	572	1460	263	19	15
14....	657	258	126	95	55	136	281	514	980	210	18	12
15....	584	241	122	93	56	150	352	560	1040	205	19	11
16....	597	221	114	92	58	150	393	735	999	202	18	12
17....	578	210	126	91	59	146	444	999	735	167	20	16
18....	536	205	143	89	61	141	407	1170	536	136	16	15
19....	476	195	160	88	62	136	458	1260	407	107	15	12
20....	453	200	143	87	63	160	643	1460	462	80	15	10
21....	435	213	136	85	64	189	664	1770	453	74	15	11
22....	439	210	126	84	65	170	624	1780	402	78	12	13
23....	453	177	124	83	66	179	650	1750	384	74	12	12
24....	467	150	131	81	68	192	699	1860	402	68	12	12
25....	425	150	126	80	69	194	742	1680	380	60	12	11
26....	376	150	126	78	71	184	831	1560	348	50	12	15
27....	344	148	138	74	73	179	952	1550	352	44	12	20
28....	364	143	150	76	75	162	942	1260	249	38	11	23
29....	368	136	136	74	....	165	914	1450	232	32	11	18
30....	356	139	136	73	....	141	923	1280	213	26	11	16
31....	360	....	143	72	....	136	....	1430	....	20	11	....
Total	14400	7079	4276	2904	1766	4316	14192	36200	29644	5378	729	377
Mean.	465	236	138	93.7	63.1	139	473	1170	988	173	23.5	12.6
Max..	1080	368	160	138	75	194	952	1860	1900	500	158	23
Min..	210	136	114	72	54	78	146	514	213	20	11	10
Acre-ft.	28600	14000	8480	5760	3500	8560	28100	71900	58800	10600	1440	750

Discharge of Animas River at Durango for Year Ending Sept. 30, 1925.
Drainage Area, 694 Square Miles. Altitude, 6,550 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	213	141	165	110	135	141	325	1030	2030	1800	475	1920
2....	221	141	159	117	135	150	357	1100	1470	1680	465	3200
3....	221	141	159	114	135	153	365	1570	1190	1500	445	2270
4....	213	150	159	120	138	165	385	2090	1110	1490	475	1940
5....	213	153	159	120	144	169	415	2050	1310	1850	450	1510
6....	205	165	159	120	150	193	480	1570	1290	1770	435	1210
7....	205	165	159	120	153	229	560	1450	1070	1480	440	1060
8....	197	165	159	114	138	245	505	1470	1020	1340	430	925
9....	193	165	159	114	147	245	430	1560	1080	1320	440	865
10....	185	165	159	114	162	257	405	1500	1290	1450	522	790
11....	185	177	141	114	162	281	405	1430	1790	1540	596	733
12....	185	185	141	115	159	293	445	1290	1610	1600	596	656
13....	185	185	141	112	162	301	566	1330	1390	1420	549	663
14....	173	185	141	120	165	269	516	1670	1620	1330	505	586
15....	201	185	141	122	159	265	480	1440	2400	1160	460	543
16....	205	185	132	120	159	269	516	1580	2760	1080	420	505
17....	205	185	135	123	150	309	634	1680	2920	1000	393	500
18....	205	185	135	141	150	325	746	2300	2740	955	381	740
19....	205	185	128	128	150	333	760	2970	3000	788	435	4650
20....	201	165	128	120	138	345	816	3180	3160	830	505	4160
21....	189	165	128	120	147	348	760	3260	3480	955	460	2250
22....	185	165	120	123	153	345	732	2220	3840	919	435	1540
23....	177	165	120	128	153	357	760	2330	3560	870	480	1200
24....	165	165	120	128	150	397	760	2750	3180	781	1020	1020
25....	165	165	120	128	141	397	760	2800	2700	718	1270	902
26....	165	165	132	128	141	373	753	2780	2220	648	1040	798
27....	165	165	135	128	141	345	795	2540	2200	578	919	761
28....	165	165	128	129	141	309	854	2560	1790	566	830	733
29....	159	165	126	138	....	317	1060	2960	1830	538	774	677
30....	150	165	120	135	....	329	1080	2800	1740	532	704	635
31....	150	....	120	135	....	325	....	2990	....	490	655	....
Total	5851	5023	4328	3798	4158	8780	18425	64250	62790	34978	18004	39942
Mean.	189	167	140	122	148	283	614	2070	2090	1130	581	1330
Max..	221	185	165	138	165	397	1080	3260	3840	1800	1270	4650
Min..	150	141	120	110	135	141	325	1030	1020	490	381	500
Acre-ft.	11600	9960	8580	7530	8250	17400	36500	127000	124000	69500	35700	79100

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Animas River at Durango for Year Ending Sept. 30, 1926.
Drainage Area, 654 Square Miles. Altitude, 6,550 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	607	572	339	232	239	232	289	2100	3860	1670	....	456
2....	607	543	325	237	232	226	301	1970	4140	1580	....	450
3....	628	642	322	237	232	223	310	2300	4010	1620	....	440
4....	649	621	319	237	223	223	....	2240	4540	1660	....	430
5....	761	579	310	237	223	221	....	2530	4690	1760	....	405
6....	719	521	310	241	223	223	....	2700	4690	1800	....	405
7....	663	470	310	237	223	223	....	2380	4690	1520	....	405
8....	635	435	295	226	223	232	....	2030	4260	1320	....	390
9....	635	435	295	223	223	247	....	1760	4000	1220	....	390
10....	705	410	289	216	223	253	....	1520	4170	1100	....	372
11....	740	385	289	216	223	265	....	1320	4260	1050	....	372
12....	733	385	280	216	223	268	....	1240	4020	1170	....	354
13....	733	385	280	216	223	259	....	1180	3390	1300	....	358
14....	698	385	280	212	223	250	....	1100	....	1180	....	354
15....	677	342	265	212	226	250	....	1200	....	1140	....	400
16....	719	342	250	212	239	250	....	1500	....	1160	....	337
17....	782	342	241	212	241	277	....	1780	....	1070	....	323
18....	775	342	232	212	237	271	....	3440	....	1010	....	326
19....	782	342	223	212	223	265	....	2290	....	....	....	334
20....	754	342	223	212	219	271	....	2890	1860	....	....	362
21....	747	342	223	212	212	280	....	3720	1480	....	....	354
22....	740	360	223	212	212	280	....	4070	1890	....	....	326
23....	719	356	235	212	212	284	....	4120	1890	....	....	312
24....	719	346	235	212	216	289	....	4360	2060	....	....	309
25....	705	342	232	212	241	295	1750	4120	1980	....	....	298
26....	691	325	226	216	241	280	1980	3910	1860	....	....	291
27....	670	325	226	216	237	280	2150	3650	1930	....	....	291
28....	635	325	223	221	237	280	2040	2820	1540	....	....	291
29....	642	339	232	223	....	280	2180	2620	1500	....	530	291
30....	642	342	232	223	....	280	2320	2860	1460	....	520	284
31....	614	....	232	226	....	280	....	2990	....	....	492	....
Total	21526	12222	8196	6840	6349	8037	....	78721	....	....	....	10710
Mean..	694	407	264	221	227	259	....	2540	....	....	....	357
Max....	782	642	339	241	241	295	....	4360	....	....	....	456
Min....	607	325	223	212	212	221	....	1100	....	....	....	284
Acres-ft.	42700	24200	16200	13600	12600	15900	....	156,000.	....	....	....	21200

Discharge of Hermosa Creek at Hermosa for Year Ending Sept. 30, 1925.
Drainage Area, 168 Square Miles. Altitude, 6,700 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	17	30	....	....	....	....	68	312	342	73	102	277
2....	17	33	....	....	....	....	68	300	256	70	96	552
3....	17	30	....	....	....	....	68	288	281	56	94	484
4....	17	30	....	....	....	....	70	278	265	54	100	506
5....	18	19	....	....	....	....	70	268	236	204	91	420
6....	18	19	....	....	....	....	72	274	195	192	89	324
7....	17	18	....	....	....	....	72	294	144	45	72	259
8....	18	24	....	....	....	....	86	342	183	38	148	244
9....	18	21	....	....	....	....	100	346	222	31	197	148
10....	18	18	....	....	....	....	152	307	171	34	127	180
11....	17	17	....	....	....	....	184	290	152	34	144	112
12....	16	19	....	....	....	....	213	300	259	36	40	78
13....	17	18	....	....	....	....	217	318	262	36	40	73
14....	18	18	....	....	....	....	222	361	217	33	46	46
15....	20	19	....	....	....	....	284	314	217	31	34	97
16....	20	17	....	....	....	....	290	311	212	28	35	324
17....	19	17	....	....	....	....	342	324	204	26	35	307
18....	17	18	....	....	....	....	420	380	187	26	31	462
19....	40	18	....	....	....	....	420	471	174	24	31	676
20....	42	17	....	....	....	....	335	497	202	59	31	552
21....	40	18	....	....	....	....	314	515	176	48	29	357
22....	39	17	....	....	....	....	324	437	180	43	24	290
23....	36	17	....	....	....	....	281	428	165	33	19	204
24....	39	19	....	....	....	....	192	400	140	34	17	112
25....	41	17	....	....	....	....	150	416	133	32	17	112
26....	38	17	....	....	....	....	158	454	120	38	17	84
27....	39	18	....	....	....	....	197	424	109	46	18	97
28....	30	17	....	....	....	....	225	372	100	59	22	84
29....	36	17	....	....	....	....	244	321	90	92	18	78
30....	39	17	....	....	....	....	324	307	88	99	18	84
31....	36	....	....	....	....	....	....	322	....	101	20	....
Total	814	594	....	....	....	....	6162	10974	5682	1755	1802	7623
Mean..	26.3	19.8	....	....	....	....	205	354	189	56.6	58.1	254
Max....	42	33	....	....	....	....	420	515	342	204	197	676
Min....	16	17	....	....	....	....	....	268	88	24	17	46
Acres-ft.	1620	1180	....	....	....	....	12200	21800	11200	3480	3570	15100

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Hermosa Creek at Hermosa for Year Ending Sept. 30, 1926.
Drainage Area, 168 Square Miles. Altitude, 6,700 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	84	84	....	....	....	....	43	589	311	299	102	38
2....	84	90	....	....	....	....	42	657	284	290	95	39
3....	73	90	....	....	....	....	50	860	269	281	118	38
4....	80	78	....	....	....	....	66	1050	238	254	88	40
5....	63	73	....	....	....	....	80	1020	182	263	75	40
6....	68	73	....	....	....	....	73	1120	227	238	88	40
7....	73	63	....	....	....	....	84	1020	302	182	75	39
8....	68	46	....	....	....	....	75	984	296	206	82	39
9....	68	50	....	....	....	....	80	1090	290	214	64	35
10....	68	54	....	....	....	....	89	1050	284	217	59	35
11....	63	50	....	....	....	....	124	920	299	214	44	40
12....	54	68	....	....	....	....	138	890	328	219	49	35
13....	58	54	....	....	....	....	131	890	494	201	44	35
14....	58	63	....	....	....	....	269	920	538	191	44	44
15....	58	68	....	....	....	....	566	860	494	217	40	53
16....	63	58	....	....	....	....	896	800	474	227	44	44
17....	63	46	....	....	....	....	933	800	610	206	40	53
18....	68	42	....	....	....	....	777	771	584	194	40	49
19....	73	46	....	....	....	....	806	742	538	156	40	35
20....	78	48	....	....	....	....	771	771	454	136	44	40
21....	78	50	....	....	....	....	896	688	494	118	44	40
22....	73	52	....	....	....	....	830	715	454	126	44	44
23....	73	52	....	....	....	....	812	688	414	126	49	44
24....	78	56	....	....	....	....	812	538	376	131	40	44
25....	73	60	....	....	....	....	902	538	434	118	40	53
26....	84	60	....	....	....	....	699	454	454	118	44	58
27....	90	60	....	....	....	....	615	376	376	110	44	64
28....	84	60	....	....	....	....	482	342	342	102	35	58
29....	84	60	....	....	....	....	538	322	359	102	37	69
30....	84	60	....	....	....	....	529	311	342	102	38	64
31....	84	....	....	....	....	....	....	311	....	102	38	....
Total	2250	1814	....	....	....	....	13208	23087	11541	5663	1728	1349
Mean.	72.6	60.5	....	....	....	....	440	745	385	183	55.7	45.0
Max..	90	90	....	....	....	....	933	1120	610	299	118	69
Min..	54	....	....	....	....	....	42	311	182	102	35	35
Acre-ft.	4460	3600	....	....	....	....	26200	45800	22900	11300	3420	2680

Discharge of La Plata River at Hesperus for Year Ending Sept. 30, 1925.
Drainage Area, 37 Square Miles. Altitude, 8,113 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	7.6	4.4	....	....	....	....	15	92	64	41	14	262
2....	7.6	4.4	....	....	....	....	15	74	41	34	15	217
3....	7.4	4.4	....	....	....	....	15	121	44	31	13	200
4....	7.4	4.4	....	....	....	....	16	200	49	89	13	154
5....	7.2	4.4	....	....	....	....	16	158	50	89	13	113
6....	7.2	4.4	....	....	....	....	17	160	47	62	12	88
7....	7.0	4.4	....	....	....	....	17	152	38	52	13	66
8....	6.8	4.4	....	....	....	....	17	170	41	45	13	52
9....	6.6	4.4	....	....	....	....	20	184	56	39	37	42
10....	6.6	4.4	....	....	....	....	22	140	100	37	49	34
11....	6.4	4.4	6.5	....	....	7.1	26	106	119	40	56	25
12....	6.4	4.4	....	....	....	....	30	106	89	38	41	24
13....	6.2	4.4	....	....	5.1	....	52	126	78	28	32	25
14....	6.2	4.4	....	4.8	....	....	85	152	85	23	25	26
15....	6.3	4.4	....	....	....	....	119	97	88	19	23	29
16....	6.0	4.4	....	....	....	....	128	122	98	17	21	31
17....	5.8	4.4	....	....	....	....	146	121	91	14	19	38
18....	5.8	4.4	....	....	....	....	140	166	78	14	17	34
19....	5.8	4.4	....	....	....	....	112	189	79	14	24	207
20....	5.5	4.4	....	....	....	....	108	195	144	14	20	95
21....	5.5	4.3	....	4.2	....	....	105	184	125	18	19	59
22....	5.2	4.3	....	....	....	....	91	130	102	19	19	45
23....	5.2	4.3	....	....	....	....	66	148	95	19	20	39
24....	5.2	4.3	....	....	....	....	50	150	82	16	35	31
25....	5.2	4.3	....	....	6.2	....	46	142	68	13	41	28
26....	5.0	4.2	....	4.4	....	12	52	144	59	13	48	22
27....	5.0	4.2	....	....	....	....	73	113	50	17	39	19
28....	5.0	4.2	....	....	....	....	95	103	41	24	36	19
29....	4.8	4.2	4.9	....	....	....	117	105	44	21	33	18
30....	4.6	4.2	....	....	....	....	105	117	45	18	29	16
31....	4.4	....	....	....	....	....	....	121	....	16	30	....
Total	186.9	130.5	....	....	....	....	1916	4288	2190	934	819	2058
Mean.	6.03	4.35	5.4	4.6	5.5	10.0	63.9	138	73.0	30.1	26.4	68.6
Max..	....	....	....	....	....	....	146	200	144	89	56	262
Min..	....	....	....	....	....	....	....	74	38	13	12	16
Acre-ft.	371	259	332	283	305	615	3800	8480	4340	1850	1620	4080

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of La Plata River at Hesperus for Year Ending Sept. 30, 1926.
Drainage Area, 37 Square Miles. Altitude, 8,113 Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	15	22	16	....	....	....	25	147	356	80	14	12
2....	14	22	16	....	....	....	25	138	414	72	13	12
3....	13	22	16	....	....	....	26	162	290	68	13	12
4....	13	22	16	....	....	....	54	158	248	76	14	13
5....	13	22	16	....	....	....	62	176	262	61	15	12
6....	13	21	16	....	....	....	78	173	262	57	19	12
7....	16	20	16	....	....	....	68	162	270	46	23	11
8....	22	19	16	....	....	....	61	149	203	41	27	11
9....	16	19	17	17	....	14	49	139	206	39	27	10
10....	15	19	17	....	....	....	53	128	198	36	28	14
11....	15	18	17	....	....	....	138	113	174	71	26	11
12....	15	19	18	....	....	....	79	113	154	60	22	10
13....	15	20	18	....	....	....	69	102	145	48	19	9
14....	16	20	18	....	....	....	87	106	141	44	20	9
15....	16	20	18	....	14	....	120	136	144	41	18	9
16....	16	20	18	....	....	19	73	154	142	45	16	10
17....	16	18	18	....	....	....	99	177	132	48	18	11
18....	16	18	18	....	....	....	96	201	118	37	19	10
19....	18	19	17	....	....	....	156	242	111	37	18	10
20....	17	18	17	....	....	....	168	266	116	39	18	11
21....	17	16	17	....	....	....	151	316	114	34	14	12
22....	17	17	17	13	....	....	174	302	109	34	15	12
23....	33	18	17	....	....	....	228	316	109	33	15	12
24....	25	18	16	....	12	....	296	356	111	34	13	13
25....	24	18	16	....	....	20	292	336	99	32	12	13
26....	28	18	16	....	....	....	330	248	91	26	13	17
27....	29	16	16	....	....	....	200	204	81	26	13	15
28....	27	16	16	....	....	....	200	162	79	26	13	14
29....	22	16	16	....	....	....	185	164	68	65	13	14
30....	22	16	16	....	....	....	166	177	67	30	12	16
31....	25	....	16	....	....	....	....	230	....	17	14	....
Total	579	567	518	....	....	....	3808	5950	5014	1403	534	360
Mean.	18.7	18.9	16.7	15	13	18	127	192	167	45.3	17.2	12.0
Max..	33	22	....	....	....	....	330	356	414	80	28	17
Min..	13	16	....	....	....	....	25	102	67	17	12	9
Acre-ft.	1150	1120	1030	922	722	1110	7560	11800	9940	2790	1060	714

Discharge of La Plata River at Colorado-New Mexico Line for Year Ending Sept. 30, 1925.
Drainage Area, Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	2.4	8.4	....	....	....	14	10	16	1.1	.5	15	30
2....	3.6	9.6	....	....	....	14	10	13	1.9	.5	6.2	155
3....	5.8	9.2	....	16	....	14	10	11	2.8	.4	6.2	78
4....	6.2	7.6	....	....	....	14	9.6	28	8.0	.3	8.4	92
5....	6.2	7.6	....	....	....	14	8.8	23	13	11	5.4	64
6....	5.6	7.6	....	....	....	14	10	8.0	11	23	4.4	45
7....	6.6	7.8	....	....	....	14	8.0	6.4	8.0	24	4.0	18
8....	8.8	7.0	....	....	....	15	7.6	5.0	7.6	22	12	27
9....	6.8	7.2	....	....	....	15	7.4	10	8.4	19	10	24
10....	6.4	7.2	....	....	15	15	7.6	14	18	17	27	21
11....	6.8	8.0	19	....	....	15	10	7.4	4.6	20	6.6	19
12....	7.6	8.4	....	....	....	16	20	2.8	34	12	3.6	17
13....	6.8	8.4	....	....	....	16	30	1.4	24	6.4	3.6	20
14....	5.0	8.8	....	....	....	16	33	4.8	20	1.3	3.4	8.8
15....	7.8	9.2	....	18	....	16	53	2.8	24	1.0	3.2	6.0
16....	8.0	8.0	....	....	....	17	51	4.4	5.2	1.0	2.6	4.8
17....	9.2	6.8	....	....	....	17	49	3.3	2.4	1.0	1.9	5.6
18....	13	7.0	....	....	17	17	46	6.8	.5	1.0	1.8	29
19....	12	7.0	....	....	....	17	39	9.6	.2	.9	1.7	145
20....	11	7.0	....	....	....	17	35	101	.3	.9	2.2	62
21....	11	8.0	....	....	....	17	32	99	25	.9	1.6	36
22....	11	8.0	....	....	....	26	17	62	7.0	1.3	1.5	15
23....	13	8.0	....	....	....	27	26	64	3.0	.8	1.8	8.8
24....	9.6	8.0	....	....	....	32	16	7.8	13	.8	3.8	9.2
25....	7.8	8.0	....	....	....	32	15	74	29	.8	4.0	7.6
26....	7.2	8.0	....	14	....	26	14	69	25	.6	12	6.2
27....	7.6	8.0	....	....	....	22	13	36	7.4	.5	8.0	5.6
28....	7.2	8.0	....	....	....	20	12	4.0	2.4	1.4	7.0	11
29....	7.2	8.0	....	14	....	11	13	1.2	1.0	.7	7.4	14
30....	6.8	8.0	....	....	....	11	15	1.0	.5	14	5.2	15
31....	7.0	....	....	....	....	11	....	1.0	....	14	5.6	....
Total	240.8	237.8	....	....	....	512	628	945.2	349.7	199	187.1	999.6
Mean.	7.77	7.93	18	10.5	16.0	17.5	20.9	30.5	11.7	6.42	6.03	33.3
Max..	13	9.6	....	....	....	32	53	101	46	24	27	155
Min..	2.4	7.0	....	....	....	11	7.4	1.0	0.2	0.3	1.5	4.8
Acre-ft.	478	472	1110	1010	889	1080	1240	1880	696	395	371	1980

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of La Plata River at Colorado-New Mexico Line for Year Ending Sept. 30, 1926.
Drainage Area, Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	11	15	....	....	....	14	27	166	212	37	11	0.6
2....	14	18	....	....	....	18	30	190	278	48	12	0.6
3....	15	20	....	....	....	16	35	281	291	47	13	0.8
4....	17	18	....	....	....	32	40	264	288	118	12	0.8
5....	17	16	....	....	....	26	41	248	242	112	7.7	0.8
6....	38	19	....	....	....	16	78	576	271	108	6.2	0.8
7....	66	18	....	23	....	16	92	367	223	95	4.6	0.8
8....	71	21	....	....	....	16	192	298	176	78	7.4	0.8
9....	76	27	....	....	....	24	133	245	146	64	4.8	0.8
10....	67	27	....	....	....	29	97	190	120	44	4.8	0.9
11....	32	27	....	....	....	32	171	156	98	31	4.2	7.4
12....	72	24	....	....	....	36	298	164	88	42	4.0	10
13....	112	21	....	....	....	37	149	161	61	24	5.3	6.2
14....	53	20	....	....	....	43	112	140	50	14	7.7	4.6
15....	43	17	35	....	18	48	140	140	53	11	6.8	3.2
16....	27	12	....	....	....	54	146	164	46	9.2	5.3	10
17....	29	14	....	....	....	63	84	215	41	7.4	3.8	5.9
18....	28	16	....	....	....	44	126	238	28	8.8	5	5.3
19....	27	18	....	....	....	42	198	312	20	8	5	5.3
20....	27	20	....	....	....	36	390	334	18	7.4	5.6	5.9
21....	28	22	....	....	....	37	316	410	17	6.8	5.6	6.2
22....	29	22	....	....	....	36	302	358	17	6.5	6.2	6.5
23....	32	22	....	....	....	42	295	420	16	6.2	4.4	4.8
24....	29	22	....	....	17	37	327	330	14	6.2	1.4	4
25....	23	22	....	....	....	30	327	367	11	8.8	1	5
26....	21	22	....	....	....	25	327	358	9.2	14	1.6	20
27....	20	22	....	22	....	23	309	305	7.1	15	1.8	17
28....	20	22	....	....	....	21	291	242	5.9	17	0.8	16
29....	23	22	....	....	....	22	264	142	6.5	16	0.8	14
30....	23	22	32	....	....	21	218	124	9.6	15	0.6	14
31....	17	....	....	....	....	22	....	181	....	13	0.6	....
Total	1107	608	....	....	....	958	5555	8086	2863	1038.3	161	179
Mean.	35.7	20.3	30	22	18	30.9	185	261	95.4	33.5	5.2	6.0
Max..	112	27	....	....	....	63	390	420	291	118	13	20
Min..	11	....	....	....	....	14	27	124	5.9	6.2	0.6	0.6
Acre-ft.	2200	1210	1840	1350	1000	1900	11000	16600	5680	2060	320	357

Discharge of Mancos River Near Towaoc for Year Ending Sept. 30, 1925.
Drainage Area, Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	2	4	....	....	....	18	110	26	1	28	26
2....	3	3	....	....	....	20	102	34	540	17	57
3....	3	3	....	....	....	24	97	23	170	11	81
4....	3	4	....	....	....	28	106	17	86	9	93
5....	3	3	....	....	....	31	137	14	62	20	64
6....	3	5	....	....	13	35	130	18	54	13	63
7....	3	5	....	....	....	39	124	15	46	6	77
8....	3	3	....	....	....	38	115	10	36	10	67
9....	7	3	....	14	....	47	111	9	31	6	65
10....	7	2	....	....	....	48	104	8	40	8	64
11....	7	3	....	....	....	54	92	4	26	3	59
12....	7	3	....	....	....	59	83	4	19	2	67
13....	6	4	....	....	....	64	75	4	15	1	103
14....	6	4	....	....	....	72	68	3	11	0	75
15....	6	5	....	....	....	82	71	2	6	0	59
16....	6	5	....	....	....	89	59	2	3	0	55
17....	5	4	....	....	....	102	51	2	2	0	47
18....	5	4	....	....	....	115	46	2	2	0	67
19....	5	3	....	....	....	112	50	7	2	0	265
20....	5	5	....	....	....	111	57	8	12	0	217
21....	5	4	....	....	....	113	54	11	16	1	129
22....	5	4	....	....	....	115	53	46	6	1	96
23....	5	5	....	....	....	107	45	35	9	21	91
24....	5	5	....	....	....	99	37	23	5	39	84
25....	3	5	....	....	....	98	38	21	3	23	72
26....	3	5	....	....	....	96	32	8	1	26	69
27....	3	5	6.5	....	....	106	26	4	1	26	65
28....	3	6	....	....	....	101	21	3	2	26	61
29....	3	6	....	....	14	106	14	0	20	20	56
30....	2	3	6	....	....	....	112	11	1	41	26	56
31....	2	....	6	....	....	....	....	17	....	32	21	....
Total	4	133	132	....	....	....	2241	2136	364	1300	364	2450
Mean.	0.13	4.43	4.26	6.5	12	13.5	74.7	68.9	12.1	41.9	11.7	81.7
Max..	2	7	6	....	....	....	115	137	46	540	39	265
Min..	2	2	....	....	....	18	11	....	1	0	26
Acre-ft.	8	264	262	400	666	830	4440	4240	720	2580	719	4860

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Mancos River at Towaoc for Year Ending Sept. 30, 1926.
Drainage Area, Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	48	39	....	....	....	95	113	115	523	39	0	0
2....	47	38	....	....	....	80	111	118	749	68	0	0
3....	46	43	....	....	....	88	105	106	893	47	0	0
4....	44	44	28	....	....	74	102	97	893	47	0	0
5....	50	42	....	....	....	67	98	300	749	56	0	0
6....	67	40	....	....	....	48	75	1700	466	31	215	0
7....	58	39	....	....	....	35	85	844	388	115	11	0
8....	51	39	....	....	....	46	126	718	388	115	215	0
9....	48	38	....	....	....	40	155	641	388	81	32	0
10....	52	41	....	....	....	39	126	581	369	31	52	0
11....	72	43	....	....	....	38	88	466	179	68	23	184
12....	67	43	....	13	....	39	98	376	81	271	23	48
13....	60	41	....	....	....	43	150	364	219	81	15	106
14....	62	40	....	....	....	41	138	466	357	81	11	19
15....	69	39	....	....	....	41	126	508	197	39	4	6
16....	66	33	....	....	....	39	128	596	295	39	4	3
17....	59	35	....	....	....	39	130	626	197	23	6	15
18....	53	30	....	....	18	37	128	780	175	23	4	4
19....	52	32	....	....	....	36	126	749	115	11	3	4
20....	50	33	....	....	....	35	95	718	81	3	1	4
21....	51	30	....	....	....	37	98	733	98	1	1	2
22....	51	32	....	....	....	36	95	749	81	0	1	8
23....	53	34	....	....	....	43	105	687	56	0	0	15
24....	59	38	....	....	....	48	115	641	47	2	0	3
25....	59	39	....	....	....	46	105	700	47	0	0	2
26....	62	46	....	....	....	88	126	750	39	0	0	3
27....	56	43	....	....	....	83	119	800	56	0	0	11
28....	48	39	....	....	....	86	101	926	23	0	0	11
29....	39	39	....	....	....	94	122	700	11	0	0	11
30....	40	34	....	22	....	104	120	600	23	56	0	11
31....	39	....	....	....	....	136	....	596	....	39	0	....
Total	1678	1146	....	....	....	1801	3409	18751	8188	1367	621	470
Mean	54.1	38.2	21	18	21	58.1	114	605	273	44.1	20.0	15.7
Max.	72	46	....	....	....	136	155	....	893	271	215	184
Min.	39	30	....	....	....	35	75	97	11	0	....	0
Acre-ft.	3330	2270	1290	1110	1170	3570	6780	37200	16200	2710	1230	934

Discharge of McElmo Creek near Cortez for Year Ending Sept. 30, 1926.
Drainage Area, Square Miles. Altitude, Feet Above Sea Level.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
1....	37	21	24	22	8
2....	38	20	22	26	8
3....	38	19	24	22	8
4....	38	18	30	28	8
5....	39	18	32	30	8
6....	40	18	33	26	9
7....	38	18	63	20	9
8....	35	18	54	22	9
9....	24	18	48	22	8
10....	31	18	42	26	69
11....	30	18	257	26	84
12....	30	18	129	22	78
13....	30	18	87	20	74
14....	43	18	66	20	83
15....	54	19	67	22	72
16....	56	20	98	16	69
17....	48	20	46	20	67
18....	42	20	39	10	67
19....	34	20	39	10	20
20....	33	20	28	8	12
21....	35	20	26	8	11
22....	34	22	28	8	10
23....	30	22	22	8	10
24....	25	22	18	8	10
25....	25	26	18	8	11
26....	26	24	20	8	11
27....	25	28	67	8	11
28....	25	26	72	8	11
29....	23	28	54	8	12
30....	21	28	39	8	11
31....	22	....	28	8	....
Total	1059	623	1620	506	778
Mean	34.2	20.8	52.3	16.3	29.3
Max.	56	28	257	30	84
Min.	21	18	18	8	8
Acre-ft.	2100	1240	3220	1000	1740

Unless otherwise noted, all discharges are in cubic feet per second.

Annual Reports
OF
IRRIGATION DIVISION
ENGINEERS
FOR
1925-1926

ANNUAL REPORT IRRIGATION DIVISION ENGINEER
DIVISION NO. 1, 1925

November 20, 1925.

Mr. M. C. Hinderlider, State Engineer,
Denver, Colo.

Dear Sir: I herewith submit report for Irrigation Division No. 1, for the year 1925.

The past year has been the most serious dry period in the history of the South Platte river watershed.

The snow deposits in the mountains were below normal, but the reservoirs in Districts 1 to 9 and 64 were 60% filled on May 1st.

Although the water supply for direct irrigation was sub-normal, it was largely offset by the amount of water stored in the reservoirs.

Despite the early drought the late crops were better than expected, due to general rains and local showers after the middle of July.

On April 11th orders were issued to stop all storage of water in Lake Cheesman and Antero reservoir, and in all other reservoirs in Districts Nos. 7, 8, 9 and 23, to supply demands for direct irrigation in District No. 2, prior to January 1, 1872.

On April 14th orders were issued to shut out the 1870 water decree the Denver City Pipe Lines, and to supply them from the storage in Lake Cheesman; also orders were sent to Nos. 8, 9 and 23 to shut out 100 second-feet later than January 1, 1866, to supply demands of No. 2 for 1865 water. No. 7 had reported no water used later than 1861, due to low water in Clear Creek.

On April 15th, orders were issued not to allow the appropriations of the Platte Canon Ditch to be diverted by the Denver City Pipe Lines, and to shut down the Last Chance Ditch, of date 1868, in District No. 8, to supply a special demand from No. 2 for 1865 and 1866 water.

On April 24th orders were sent to Districts Nos. 8, 9 and 23 to shut down all ditches later than April 1, 1864, to supply the Duggan Ditch appropriation in District No. 2. No. 7 still shut to 1861 by shortage of water.

This was low water mark for the season.

On September 23, the Highline Canal was allowed to divert 110 second-feet of 1879 water. This was the first diversion of river water by the Highline except for five days in August, when No. 2 was supplied by rains and flood in Cherry Creek.

Demands for direct irrigation in Districts 1 and 64, were supplied on October 12th, and storage was allowed, in Districts 2 to 7, in reservoirs with appropriations of earlier date than January 1, 1891.

On October 16th this date was changed to May 18, 1901, and

on October 28th again raised to January 1, 1905, when report was received that the Highline Canal would close down for the season on October 30th; also permission was given to store in Lake Cheesman, as Barr Reservoir was not demanding her full diversion rate of 1885 water.

The first of our "Million-dollar snows" this current season, was reported from District No. 23, in South Park, on September 22nd, 15 inches and on October 13th, 10 inches in depth; also on October 17th at Denver a depth of 6.5 inches was reported, but as the ground was dry and warm there was practically no run-off from the melting of the snow.

The South Platte River has been reported "Dry" below the diversion dam of the Burlington Ditch in No. 2, since week ending October 10th, and also "Dry" below Jackson Lake intake or the Lower Platte and Beaver Ditch in District No. 1, since October 1st.

At the present writing storage in Districts 2 to 9 and 23 is limited to appropriations prior to January 1, 1905, to supply the demands for 200 second-feet of 1905 water by the Empire Reservoir in No. 1, which on November 1st was empty, and 350 second-feet of 1902 water for Riverside Reservoir.

On November 1st, the storage capacity of the reservoirs in Districts 1 to 9 and 64 was only about 15 per cent filled.

On November 14th the reservoirs in those districts were diverting water from the river at the rate of 1,844 second-feet, and 155 second-feet were diverted for direct irrigation.

From May 1, to October 1, no storage of water was reported from Districts 2, 4, 5, 6, 7, 8, 9 and 64. In District No. 1 during the month of August, 8,000 acre-feet were stored from floods in the small tributaries.

During October, 59,700 acre-feet were diverted from the rivers for storage in Districts 1 to 9 and 64, including 1,500 acre-feet diverted from District No. 48 and stored in District No. 3.

Since May 1st in District No. 1, 5,150 acre-feet were diverted from Districts No. 2, No. 5 and No. 64 and used for direct irrigation.

In District No. 2, 600 acre-feet were diverted from District No. 23, and 1,592 acre-feet from District No. 5.

In District No. 3, 41,400 acre-feet were diverted from Districts Nos. 47, 48 and 51 and used for direct irrigation, and 11,730 acre-feet for storage.

In District No. 7, 400 acre-feet were diverted from District No. 51 and used by the Golden City and Ralston Creek Ditch and is included in the reported diversions by that ditch.

In District No. 8, 3,145 acre-feet additional were diverted from Lake Cheesman and distributed to the Highline Canal to the credit of Antero Reservoir; also 17,072 acre-feet from Lake Cheesman for the Denver City Pipe Line at Platte Canon.

In District No. 23, 19,192 acre-feet were restored in Lake Cheesman from May 23 to August 4, both inclusive, to the credit

of water discharge from Antero Reservoir which was reported empty at end of the run.

Our Supreme Court states that "Where by statute, authority is given to a particular officer, its exercise by any other officer is forbidden by implication." What does it mean?

I hereto attach a summary of the annual reports of the Water Commissioners.

Respectfully submitted,

F. COGSWELL,
Irrigation Division Engineer,
Irrigation Division No. 1.

IRRIGATION DIVISION No. 1

A SUMMARY OF THE ANNUAL REPORTS OF THE WATER COMMISSIONERS FOR 1925 IS AS FOLLOWS:

If we take Districts 1 to 9, both inclusive, and District No. 64, covering the South Platte River and its tributaries from Platte Canon to the Colorado-Nebraska line, a distance of 250 miles, we have the following table:

District	(1) Total No. of acres that can be irrigated	(2) Amount of reservoir water used for irrigation in acre-ft. see "Note"	(3) No. of acre- ft. diverted by ditches during season from natural streams for irrigation	(4) Total No. of acres irrigated
1.....	195,100	125,751	213,156	157,098
2.....	234,357	78,304	224,550	202,754
3.....	388,140	56,968	237,754	267,630
4.....	139,680	26,968	86,454	127,940
5.....	103,773	4,065	51,776	48,220
6.....	200,550	10,578	105,832	170,407
7.....	117,350	2,841	121,914	104,843
8.....	135,570	5,235	68,166	46,711
Marston Lake not included. Used by Denver Water Co. for domestic purposes.				
9.....	21,781	712	27,511	16,158
64.....	220,728	109,296	199,136	151,133
Totals.....	1,757,029	420,718	1,336,249	1,292,894
Marston Lake, Capacity 19,795 Acre-Feet. Storage on May 1, 9,942 Acre-Feet. Storage on November 1, 16,768 Acre-Feet.				

NOTE: "Amount of Reservoir Water Used" in Column (2) represents the acre-feet of water in the reservoirs on May 1st, plus the amount diverted from the rivers for storage from May 1st to November 1st, plus the amount of reservoir water diverted from other districts; minus the acre-feet of water reported in the reservoirs on November 1st, minus the amount of reservoir water sent to other districts, except in Districts 2 and 64, which are given as reported by the Water Commissioners, plus the amounts diverted from other Districts.

IRRIGATION DIVISION No. 1

The Field Books of the Water Commissioners show the following amounts of water in storage, in acre-feet, on the first of each month from January 1, 1925, to November 1, 1925, both inclusive:

District	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	June 1	July 1	Aug. 1	Sept. 1	Oct. 1	Nov. 1
1	76,405	93,191	109,007	119,959	115,437	4 Reservoirs reported. 85,330 69,806					
2	43,917	52,976	58,716	63,824	62,728	5 Reservoirs reported. 41,631 33,893					
3	23,923	28,905	34,506	39,073	37,604	5 Reservoirs reported. 16,025 16,025					
4	36,342	7,094	8,609	9,619	12,053	8 Reservoirs reported. 34,998 32,564					
5	10,510	10,510	11,342	13,754	14,154	16 Reservoirs reported. 10,976 6,517					
6	.....	.....	.....	.....	7,784	9 Reservoirs reported. 5,793 4,161					
7	23	22	134	2,501	1,769	4 Reservoirs reported. 1,173 485					
8	.....	.....	.....	.....	2,207	All in Castlewood Reservoir. 1,955 1,015					
9	.....	.....	.....	.....	10,438	Harriman and Marston Reservoirs.					
23	40,883	34,065	29,977	55,282	52,849	4 Reservoirs reported. 45,395 36,424					
64	67,119	80,966	89,669	111,826	103,106	3 Reservoirs reported. 82,526 61,150					
Totals	299,122	307,729	341,960	415,838	420,129	325,802	262,040	171,396	122,875	79,688	154,514

IRRIGATION DIVISION No. 1

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL DITCH
REPORTS FOR THE IRRIGATION SEASON OF 1925

District	(1) Maximum Average daily amount of water diverted by ditches during season from natural streams for irrigation	(2) No. of Acre-Feet diverted by ditches during season from natural streams for irrigation	(3) Total No. of acres that can be irrigated	CROPS IRRIGATED, ETC.	
	Second-Foot	(See "Note")	(See "Note")	(4) Alfalfa	(5) Natural Grasses
1	879	213,156	195,100	47,115	26,980
2	995	224,550	234,357	47,455	15,164
3	942	237,754	388,140	84,655	5,580
4	342	86,454	139,680	34,750	145
5	280	51,776	103,773	20,310	2,939
6	471	105,832	200,550	34,885	60,980
7	498	121,914	117,350	37,655	2,304
8	324	68,166	135,570	18,398	1,052
9	132	27,511	21,781	6,585	4,018
23		No Annual Report received.			
47		No Annual Report received.			
48	240	50,423	8,516	.....	7,265
64	762	199,136	220,728	34,703	27,751
65	57	14,000	6,744	1,874	168
Totals...	5,922	1,400,672	1,772,289	368,385	154,346

NOTE: The quantities given in columns (3) to (15) represent the total acreage that can be irrigated or was irrigated, whether the ditches only used the natural flow of streams, or only used reservoir water, or used river and reservoir water combined.

In District No. 1, 5,150 Acre-Feet were diverted from Districts Nos. 2, 5 and 64 and used for direct irrigation and is included in column (2).

In District No. 2, 2,192 Acre-Feet additional were diverted from Districts No. 5 and No. 23 and used for direct irrigation, and is not included in column (2).

In District No. 3, 41,400 Acre-Feet were diverted from Districts Nos. 47, 48 and 51, and used for direct irrigation and is included in column (2).

In District No. 7, 400 Acre-Feet were diverted from District No. 51 and used by the Golden City and Ralston Creek Ditch and is included in column (2).

In District No. 8, 20,217 Acre-Feet additional were diverted from District No. 23 and distributed to the Highline Canal and Denver Water Works; 3,145 Acre-Feet to the credit of Antero Reservoir and 17,072 Acre-Feet from Lake Cheesman for the Denver city pipe lines at Platte Canon and is not included in column (2).

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL DITCH
REPORTS FOR THE IRRIGATION SEASON OF 1925

	(6)	(7)	(8)	(9)	(10)	(11)
	CROPS IRRIGATED FROM CANALS IN ACRES					
District	Cereals	Orchards	Market Gardens	Potatoes	Sugar Beets	Beans
1	31,730	88	80	3,113	22,349	6,105
2	70,863	460	6,308	7,958	20,738	25,857
3	79,176	2,420	3,196	40,613	34,782	4,427
4	72,950	1,905	635	6,320	3,960	3,405
5	20,550	575	256	72	2,038	255
6	54,111	827	722	1,570	9,565	2,930
7	42,446	3,912	13,774	658	1,480	423
8	20,544	997	1,727	691	1,554	427
9	4,120	137	82	28	64	10
23		No Annual Report received.				
47		No Annual Report received.				
48 .....	....	....	....	....	....	....
64	37,852	120	240	2,263	29,348	2,399
65	892	63	11	104	....	....
Totals.....	435,234	11,504	27,031	63,390	125,878	46,238

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL DITCH
REPORTS FOR THE IRRIGATION SEASON OF 1925

	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	CROPS IRRIGATED FROM CANALS IN ACRES				COST DOLLARS		
District	Peas	Cabbage	Other Crops	Total Irrigated	Superin- tendence	Repairs	Improve- ments
1	20	72	19,446	157,098	33,725	6,700	32,776
2	496	3,270	4,185	202,754	51,574	62,483	7,075
3	1,600	3,739	7,442	267,630	....	....	....
4	1,100	1,275	1,495	127,940	19,850	5,100	1,700
5	450	147	628	48,220	....	....	....
6	1,066	941	2,810	170,407	14,285	37,900	30,985
7	258	1,601	332	104,843	12,655	34,501	2,200
8		43	1,278	46,711	37,539	12,382	2,042
9		15	1,099	16,158	4,566	18,026	5,083
23			No Annual Report received.				
47			No Annual Report received.				
48 .....	....	....	....	7,265	....	....	1,356
64 .....	....	....	16,457	151,133	22,403	29,089	17,574
65		4	86	3,202	900	2,427	40
Totals....	4,990	11,107	55,258	1,303,361	197,497	208,608	100,831

ANNUAL REPORT IRRIGATION DIVISION ENGINEER
DIVISION NO. 1, 1926

November 29, 1926.

Mr. M. C. Hinderlider, State Engineer,
Denver, Colo.

Dear Sir: I herewith submit a report for Irrigation Division No. 1, for the year 1926.

The irrigation season was unusual, in that the discharge of the South Platte River was sufficient to supply the demands of the Burlington ditch for 1885 water, and of the Highline canal for 1879 water prior to July 22nd.

This satisfactory condition was due entirely to the late snows and seasonable rains, producing an excess of precipitation by May 1, of 1.50 inches above normal.

Later rains during May, June and July kept up the good work.

In a normal year January and February are the driest months with November and December following in the order named. April and May have the heaviest rainfall, with July, August and June following in that order.

In the beet growing area, during the latter part of March the soil and moisture conditions were considered the most promising in many years.

The favorable weather for farm work had materially advanced the preparation of the seed beds, and some beet seeds had been planted much earlier than usual.

The seasonal flow of the South Platte River on March 31st was reported as 47 per cent above normal, caused by the heavy snowfall on the eastern slope of the mountains.

The accumulated snowfall on the South Platte drainage was above normal. A notable instance was in the Middle Boulder Creek region where a snowfall depth of sixty-seven inches was reported.

The heavy rains in the latter part of April caused some side streams to overflow the banks and endanger the crops on the lowlands.

Precipitation prior to May 1st was more than five times that of the same period in 1925.

May was warmer and drier than normal, and the beet and other crops were beginning to suffer severely from lack of moisture, and irrigation of beet fields in Districts Nos. 1 and 64 was getting under way to germinate the planted seed, when the timely rain on May 7th of one inch in those districts saved the beet and other crops.

Later rains came in frequent showers and practically all of it went into the ground.

By the middle of June, lack of moisture was again beginning to be felt but was materially relieved by general rains.

The silver lining of the rain clouds will also be visible in 1927, through the replenishing of the ground water which was lowered by the dry season of 1925.

The early rains and melting snow came when the crops were dormant. The water saturated the soil and replenished the ground water, and this combined with the unusual amount of water diverted by the ditches, will show a marked benefit during 1927.

The growing season for beets has been the most favorable in years due to the timely rains.

By September 1st the sugar beet crop was reported two weeks ahead of the regular schedule and a drouth would not now cause any serious harm, as dryness increases the sugar percentage.

During the first part of the season the plant accumulates bulk, the storing of sugar taking place in the later period, therefore loss of tonnage due to lack of moisture would be compensated by the higher sugar content.

By November 1st the precipitation was 1.56 inches below normal, and despite the excess moisture early in the season, rain was necessary for a proper condition of the ground for fall plowing.

Recent experiments with irrigation tend to show that plants need to get really thirsty, without being undernourished.

The custom to irrigate, keeping the ground always moist, water always within reach of the roots, should be changed, to irrigation only when it is absolutely necessary and let the plants work harder for themselves.

The high lights in the distribution of water under the dates in proper sequence are as follows

Diversion of water for direct irrigation was reported by Districts Nos. 1 and 64, during the last week in March, and at the same time the South Platte River was reported dry below the diversion dam of the Burlington ditch and the Jackson Lake inlet.

The first diversion of water by the Highline Canal was reported during the week ending April 17th.

Rains of April 21 and 22 caused the first high water of the season, but only 1,200 second-feet were reported as passing to Nebraska during the week ending May 1st.

The first diversion of water into District No. 3, from District No. 48, was reported on May 5.

Reservoir water was used via the river in District No. 3, during the week ending May 15, but at the same time excess water was reported in all the other districts.

Lake Cheesman was full and discharging over the spillway on the morning of May 17, for the first time since July 7, 1924.

Orders were issued, on June 30, to Districts Nos. 2 to 9 and

23, to stop all distribution of water to ditches and reservoirs of later date than October 1, 1888, to supply demands of District No. 1. This order stopped storage in Antero reservoir.

It may be of interest as showing the actual amount used for direct irrigation when available, to note that during the week ending Saturday, May 29th, the total diverted for direct irrigation was 10,700 second-feet of which 4,300 second-feet were diverted from the South Platte River in Districts No. 8, 2, 1 and 64; during the week ending June 5, the total was 11,585 second-feet, of which 4,900 second-feet were diverted from the South Platte River, and during the week ending June 12, the total was 10,373 second-feet of which 4,800 second-feet were diverted from the South Platte River.

On July 1, the first order of the season against the Highline Canal was issued, calling for 150 second-feet to supply District No. 2, but rains July 3 to 5, allowed her to take it up again on July 3, and all ditches were allowed to divert water on dates prior to January 1, 1889.

On July 6, there was excess water in the South Platte River, due to these rains, and orders were issued to store water, including storage in Antero reservoir.

On July 19, orders were again issued to Districts Nos. 7, 8, 9 and 23, to stop all storage and to shut down all ditches of later date than January 1, 1886, to supply District No. 2.

This order stopped storage in Antero reservoir at gage reading 19 feet.

On July 22, the Highline Canal was shut down on account of shortage of water in District No. 2. The South Platte River was dry below the Hewes and Cook ditch at Platteville, from July 19 to August 5, and from August 12 to September 30.

No water was discharged from Antero reservoir during 1926, but during July and August 7,880 acre-feet were discharged from Lake Cheesman to the credit of Antero reservoir and used by the Highline Canal in District No. 8.

On August 30, order was issued to shut out the 1870 water from Denver City Pipe Line to supply the demand for 1866 water in District No. 2. Any water diverted from the river by the pipe line in excess of the water transferred from the Platte Canon ditch, was to be supplied by water discharged from Lake Cheesman.

On September 20, orders were issued to Districts Nos. 7, 8, 9 and 23, to shut down all ditches of later date than January 1, 1866, to supply District No. 2. This order shut out the 1868 appropriation of the Last Chance ditch in District No. 8.

On September 29, the demands of District 1 for 1888 water were supplied by the other ditches shutting down to dry the beet lands.

District No. 3, preferred to stop direct irrigation and store the water in reservoirs of date earlier than January 1, 1889. This was allowed, as there was no objection from District No. 1, and

no water for storage in any of the other districts on account of the shortage for direct irrigation.

On October 5, orders were sent to Districts Nos. 7, 8 and 9, to open ditches prior to January 1, 1880. This gave the Highline Canal an average diversion of 70 second-feet until October 29, when it shut down for the season.

On October 6, orders were sent to Districts Nos. 1 to 6, that Nos. 2, 1 and 64 were supplied.

On October 29, permission was given to store water in Lake Marston on its 1889 appropriation as Barr reservoir was not prepared to store its 1885 water.

On November 1, orders were sent to all districts to store, on appropriations prior to January 1, 1907, all water not needed for direct irrigation.

Direct irrigation from the South Platte River practically ceased during the week ending November 6th, except in Districts Nos. 1 and 64.

Barr reservoir commenced storage of 1885 water on November 10th, diverting all of the water in the river, and on November 22nd, storage was allowed in all reservoirs with appropriations prior to January 1, 1908, to allow storage in Antero and River-side reservoirs.

Query: Are storms "made" by the moisture in irrigated sections?

Is irrigation of arid lands in the West "a prolific cause of devastating storms in the East?"

Respectfully submitted,

F. COGSWELL,
Irrigation Division Engineer,
Irrigation Division No. 1.

IRRIGATION DIVISION No. 1.

A SUMMARY OF THE ANNUAL REPORTS OF THE WATER COMMISSIONERS FOR 1926, IS AS FOLLOWS:

If we take Districts Nos. 1 to 9, both inclusive, and District No. 64 covering the South Platte River and its tributaries from Platte Canon to the Colorado-Nebraska line, a distance of 250 miles, we have the following table:

District	(1) Total No. of Acres that can be irrigated	(2) Amount of Reservoir Water used for Irrigation in Acre-Feet "See Note"	(3) No. of Acre- Feet diverted by Ditches during season from natural streams for irrigation	(4) Total Number of acres irrigated
1	196,217	193,320	359,699	162,676
2	236,214	102,000	359,686	206,064
3	388,140	113,507	392,054	267,640
4	141,080	37,980	172,972	141,070
5	103,773	23,446	91,678	91,406
6	199,440	27,203	143,617	172,503
7	114,875	9,325	167,270	104,813
8	135,808	11,556	122,294	49,077
Marston Lake not included. Used by Denver Water Co. for domestic purposes.				
9	21,222	10,831	42,201	19,265
64	224,662	110,148	277,934	154,038
Totals...	1,761,431	639,316	2,129,405	1,368,552

Marston Lake, capacity 19,795 Acre-Feet. Storage on May 1, 15,290 Acre-Feet. Storage on November 1, 11,425 Acre-Feet.

Note: "Amount of Reservoir Water Used" in Column (2) represents the Acre-Feet of water in the reservoirs on May 1st, plus the amount diverted from the rivers for storage from May 1st to November 1st, plus the amount of reservoir water diverted from other districts; minus the Acre-Feet reported in the reservoirs on November 1st, minus the amount of reservoir water sent to other districts, except in Districts Nos. 8 and 64, which are given as reported by the Water Commissioners, plus the amounts diverted from other districts.

IRRIGATION DIVISION No. 1.

Reports of the Water Commissioners show the following amounts of water in storage, in acre-feet, in reservoirs of capacity of 1,000 acre-feet or more on the first of each month from January 1, 1926, to December 1, 1926, both inclusive.		Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	June 1	July 1	Aug. 1	Sept. 1	Oct. 1	Nov. 1	Dec. 1
District													
1	.....	76,887	95,803	108,891	121,894	131,207	136,044	130,804	113,553	48,867	21,387	27,226	54,121
							12 Reservoirs reported.						
2	.....	29,005	40,380	61,566	83,540	96,266	95,888	94,335	81,166	44,427	20,825	23,235	32,881
							7 Reservoirs reported.						
3	.....	51,241	67,522	74,257	82,943	110,755	118,839	139,655	117,665	60,623	37,078	39,895	49,147
							30 Reservoirs reported.						
4	.....	30,555	32,680	34,270	35,970	68,400	84,050	83,176	82,976	56,250	40,500	39,700	40,200
							11 Reservoirs reported.						
5	.....	14,602	15,908	18,115	19,490	24,796	30,224	29,634	28,813	18,851	14,455	13,397	14,706
							9 Reservoirs reported.						
6	.....	14,017	15,581	18,425	18,746	25,955	37,095	38,020	35,622	26,660	21,021	18,315	17,250
							10 Reservoirs reported.						
7	.....	2,826	2,826	2,856	2,861	6,260	6,425	6,625	6,325	3,750	1,850	690	985
							6 Reservoirs reported.						
8	.....	No reports		2,700	3,434	3,434	3,166	3,058	2,668	1,865	1,036	1,069	1,264
							All in Castlewood Reservoir.						
9	.....	14,674	13,521	14,959	15,053	15,936	16,126	16,309	16,377	15,151	13,324	11,425	15,821
							Harriman and Marston Reservoirs.						
23	.....	42,378	44,793	47,382	52,802	77,051	93,478	102,247	101,239	94,814	93,254	92,016	89,501
							3 Reservoirs reported.						
64	.....	50,131	60,568	79,125	94,845	109,680	117,226	107,964	88,230	53,837	36,945	45,407	62,786
							3 Reservoirs reported.						
							Total of 94 Reservoirs reported.						
Totals	.....	326,316	389,582	462,546	531,578	669,740	738,561	751,827	674,634	425,095	301,675	312,375	378,662

IRRIGATION DIVISION No. 1.

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
DITCH REPORTS FOR THE IRRIGATION SEASON OF 1926

District	(1) Maximum Average Daily Amount of water diverted by ditches during season from natural streams for irrigation Second-Feet	(2) No. of Acre- Feet diverted by ditches during season from natural streams for irrigation (See "Note")	(3) Total No. of acres that can be irrigated (See "Note")	CROPS IRRIGATED, ETC.	
				(4) Alfalfa	(5) Natural Grasses
1	1,454	359,699	196,217	49,145	28,809
2	1,419	359,686	236,214	47,503	15,482
3	1,560	392,054	388,140	84,705	5,820
4	706	172,972	141,080	40,230	345
5	405	91,678	103,773	23,496	3,187
6	754	143,617	199,440	36,267	65,680
7	519	167,270	114,875	37,230	2,089
8	470	122,294	135,808	19,361	1,555
9	154	42,201	21,252	6,691	4,461
23		No annual report received			
47		No annual report received			
48	458	63,036	8,311	.....	6,625
64	1,126	277,934	224,662	35,460	31,304
65	48	10,144	7,159	1,330	369
Totals	9,073	2,202,585	1,776,931	381,418	165,726

NOTE: The quantities given in columns (3) to (15) represent the total acreage that can be irrigated or was irrigated, whether the ditches only used the natural flow of streams, or only used reservoir water, or used river and reservoir water combined. In District No. 1, 5,144 Acre-Feet additional were diverted from Districts Nos. 2, 5 and 64, and used for direct irrigation and is not included in Column (2).

In District No. 2, 5,402 Acre-Feet additional were diverted from Districts Nos. 5 and 23 and used for direct irrigation and is not included in Column (2).

In District No. 3, 36,146 Acre-Feet were diverted from Districts Nos. 47, 48 and 51, and used for direct irrigation and is included in Column (2).

In District No. 7, 496 Acre-Feet were diverted from District No. 51 and used by the Golden City and Ralston Creek Ditch and is included in Column (2).

In District No. 8, 12,895 Acre-Feet additional were diverted from Lake Cheesman in District No. 23 and distributed to the Highline Canal and Denver Water Works; 7,880 Acre-Feet to the credit of Antero Reservoir and 5,015 Acre-Feet for the Denver City Pipe Lines at Platte Canon and is not included in Column (2).

IRRIGATION DIVISION No. 1.

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
DITCH REPORTS FOR THE IRRIGATION SEASON OF 1926

	(6)	(7)	(8)	(9)	(10)	(11)
CROPS IRRIGATED FROM CANALS IN ACRES						
District	Cereals	Orchards	Market Gardens	Potatoes	Sugar Beets	Beans
1	29,380	91	.....	2,114	30,750	7,625
2	69,485	606	6,217	7,819	31,909	19,922
3	70,103	2,408	2,820	34,856	50,750	3,538
4	70,865	2,035	825	5,340	13,680	2,130
5	48,655	597	310	41	9,740	450
6	50,012	804	677	1,097	12,745	1,376
7	42,906	3,757	13,947	487	1,857	405
8	20,980	1,072	1,637	860	1,691	473
9	5,341	162	142	4	297	....
23	No annual report received					
47	No annual report received					
48 .....	.....	.....	.....	.....	.....	.....
64	36,477	125	228	1,839	33,529	1,251
65	224	14	37	88	81	....
Totals...	444,428	11,671	26,840	54,545	187,029	37,170

IRRIGATION DIVISION No. 1.

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
DITCH REPORTS FOR THE IRRIGATION SEASON OF 1926

	(12)	(13)	(14)	(15)	(16)	(17)	(18)
CROPS IRRIGATED FROM CANALS IN ACRES				COST DOLLARS			
District	Peas	Cabbage	Other Crops	Total Irrigated	Superin- tendence	Repairs	Improve- ments
1	200	5	14,557	162,676	20,590	23,200	14,050
2	533	3,283	3,305	206,064	65,601	51,725	15,840
3	1,536	2,768	8,336	267,640	.....	.....	.....
4	1,140	1,095	3,385	141,070	21,680	5,200	6,525
5	1,000	200	3,730	91,406	.....	39,250	.....
6	855	822	2,168	172,503	18,845	36,670	9,420
7	256	1,377	502	104,813	13,260	5,615	700
8	30	.....	1,418	49,077	8,680	40,506	9,130
9 .....	.....	.....	2,147	19,245	2,827	2,455	3,954
23 .....	.....	.....	.....	.....	.....	.....	.....
47 .....	.....	.....	.....	.....	.....	.....	.....
48 .....	.....	.....	.....	6,625	.....	840	.....
64	5,103	20	8,702	154,038	26,946	32,640	24,478
65 .....	.....	6	.....	2,149	600	2,222	100
Totals.....	10,653	9,576	48,250	1,377,306	179,029	240,323	84,197

ANNUAL REPORT IRRIGATION DIVISION ENGINEER,
DIVISION No. 2, 1925

Pueblo, Colo., Dec. 12, 1925.

Mr. M. C. Hinderlider, State Engineer,
Denver, Colo.

Dear Sir: I herewith submit my annual report for the season for 1925. The drought of 1924 extended into 1925 and was not broken until the evening of July 3rd when we had a good general rain over the entire Arkansas river water shed. Since that date we have had several good rains and snows which were general in character. The precipitation has been slightly above the average since July 3rd and at this writing the ground has a good content of moisture which will be carried over for the spring of 1926. The precipitation from January 1st, 1925, to July 1st of that year was 2.52 inches or forty per cent of the normal. The average precipitation for that period is 6.26 inches. During 1924 the precipitation was about sixty per cent of the average. Thus it is readily seen that the early part of the 1925 season was even drier than that of 1924. Since July the rains and snows have brought the precipitation up to 11.08 inches for the year ending November 30th, 1925, which is nearly normal. The average for the year is 11.97 inches.

The lack of rains and irrigation water had a bad effect upon growing crops during the spring months. The alfalfa crops as well as the cereal crops. The rains of July brought out the corn and other crops in a most wonderful manner so that on the whole crops were very fair and the farmers received a fair return for their efforts and investment.

The dry season of 1924 was not favorable for the storage of water so that we entered the 1925 season with a comparative small quantity of water in the reservoirs. This was in great contrast to the 1924 season when all reservoirs were full. This lack of reservoir water was felt in many places.

There was 207,848 acre-feet of reservoir water in storage on May 1st, 1925, and only 116,724 acre-feet in storage on November 1st, 1925. This difference does not represent the actual amount of reservoir water used during 1925 as in many cases water was run into the reservoirs during July and August and then run out again before November 1st so that the water does not appear in the records as kept. The reservoirs have again been of great value. Without reservoir water to use at critical times on crops our irrigated land values and crop returns would be much less than we now enjoy.

The duty of keeping an account of the transmountain diversions of water has fallen upon this office. The Ewing ditch brings water from the western slope across Tennessee Pass and by exchange a like amount of water was stored in the Sugar Loaf to

the credit of the owners of the Ewing ditch. Water has been brought through the Busk-Ivanhoe tunnel and stored in the Sugar Loaf reservoir. This storage is complicated somewhat because at times the Sugar Loaf reservoir is allowed to store on their own account and at such times the storing of Ewing Ditch water automatically ceases. The system requires that an accurate account be kept of all the water involved and a division be made.

The crops in the Arkansas Valley have been about an average taking the Valley over. Alfalfa was short on the first cutting. The acreage in the Valley is reported as 200,606 acres. Cereals were 126,736 acres. Sugar beets were 31,085 acres. In the mountain districts cauliflower and head lettuce continue to give fair returns for the labor performed. The total amount of land under irrigation is reported at 500,546 acres.

A new crop has come into prominence during the past few years; namely corn. The past season showed to the farmer most forceably the advantages of this crop. It has a long planting season and harvesting season. It can be grown with less moisture than many crops and a farmer can care for more acres with less help than any other crop. Farmers have had good success with this crop during the past few years. The yield has been good and it makes an excellent crop for rotation with alfalfa and sugar beets. Early maturing varieties are usually planted.

Some new development in irrigation is contemplated for the future. The object is to better present water supplies by building reservoirs and storing excess waters.

During the past year work was carried on for the transmountain diversion at the Busk-Ivanhoe tunnel which will bring water from the western slope to the Arkansas Valley. This water will add to the wealth of the Valley. Other transmountain diversions are being considered and may be developed in the future.

We have continued to operate the river with the aid of self-registers on all large canals. The self-registers have proven to be a necessity like the telephone.

In conclusion I desire to thank yourself, the Water Commissioners and Hydrographers assigned to duty here for assistance given in carrying on the duties of this office.

Respectfully submitted,

C. W. BEACH,
Division Engineer of Irrigation,
Division No. 2.

IRRIGATION DIVISION No. 2

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
REPORTS FOR THE IRRIGATION SEASON OF 1925

No. of District	Amt. Approp. in Sec. Ft.	Cap. of Ditches in S. Ft.	Length of main ditch in miles	Length of laterals in miles	First day water was diverted from stream	Last day water was diverted from stream
10	612.61	.....	208.2	....	Feb. 9	Nov. 1
11	749.41	1,111.80	621.0	....	May 1	Nov. 1
12	991.20	.....	....	....	Nov. 1, '24	Oct. 31, '25
13	408.87	.....	245.35	....	April 15	Aug. 25
14	2,171.36	2,311.30	....	....	Nov. 1, '24	Oct. 31, '25
15	184.10	253.9	414.4	....	March 2	Oct. 22
16	1,270.89	.....	....	....	April 4	Oct. 8
17	5,636.78	8,634.0	383.0	....	Nov. 1, '24	Oct. 31, '25
18	.....	343.01	56.0	....	March 8, '25	Aug. 28, '25
19	1,490.92	.....	367.39	....	
67	1,468.0	1,699.0	211.0	183.0	Feb. 24	Oct. 31
Totals	14,984.24	14,353.01	2,506.34	183.0		

No. of District	Max. No. of days water diverted from natural stream for irrigation	Max. No. of days water carried from reservoirs	Amt. of water carried from reservoirs in Ac. Ft.	Ay. daily amount of water diverted by ditches from stream during season—Cu. Ft. per Sec.	No. of Ac. Ft. diverted during season from natural stream	Total No. of acres that can be irrigated
10	223	.....	.....	200.25	33,907	36,935
11	135	.....	.....	739.7	202,320	28,248
12	365	.....	4,633	.....	204,378	35,562
13	68	209.90	.....	.....	30,328	16,360
14	358	.....	.....	.....	.....	130,100
15	224	.....	.....	66.1	12,351.9	12,510
16	186	.....	.....	215.55	259,981.2	66,025
17	365	.....	.....	1,680.2	277,161.0	218,411
18	66	.....	.....	4.27	2,263.5	7,386
19	.....	.....	.....	.....	.....	47,344
67	243	60.	47,290	384.47	129,836.0	65,240
			51,923	3,290.54	1,152,526.6	664,121

No. of Dist.	Alfalfa	Natural Grasses	Cereals	Orchards	Market Gardens	Potatoes	Sugar Beets
10	9,004	3,800	2,400	274	268	...	297
11	5,779	7,778	4,287	81	75	244	88
12	7,735	1,681	3,877	3,773	274	...	.....
13	1,339	12,336	2,115	30	18	2	.....
14	47,912	5,750	29,740	1,191	2,093	...	10,240
15	4,171.5	2,136	2,428.6	20	1	...	77.5
16	18,948	8,716	6,337	445	53	35	454
17	64,708	4,123	58,205	429	1,220	22	14,913
18	2,782	205	.....	.....	.....	...	.....
19	16,307	6,095	3,768	66	371	12	191
67	26,821	2,405	13,579	205	74	...	4,820
Totals	204,606.5	55,025	126,736.6	6,514	4,447	315	31,080.5

No. of Dist.	Head Lettuce and Cauli-flower	Beans	Peas	Other Crops	Total Irri.	Cost of Superintendence	Cost of Repairs	Cost of Improvements
10	...	55	...	2,820	19,318	.....	\$ 4,830.00	\$ 1,250.00
11	80	...	195	322	20,750	\$ 2,184.00	.....	2,122.00
12	101	65	...	2,936	20,084	.....	.....	.....
13	24	...	...	486	16,360	.....	573.50	.....
14	...	1,310	...	340	115,041	21,824.00	26,460.55	.....
15	...	5	...	.....	8,672.5	.....	.....	4,095.00
16	11	708	117	3,090	37,846	10,965.00	10,273.42	8,340.00
17	...	3,850	...	24,298	171,746	28,100.00	31,489.00	6,150.00
18	...	...	...	.....	.....	.....	.....	.....
19	...	1,652	...	3,227	31,689	21,960.00	17,249.00	3,000.00
67	...	238	...	10,879	59,040	8,733.22	12,700.00	20,200.00
Totals..	216	7,883	312	48,398	500,546.5	\$93,766.22	\$103,575.47	\$45,157.00

TABULATION OF AMOUNT OF WATER IN RESEVOIRS ON THE FIRST OF EACH MONTH BEGINNING
WITH NOVEMBER 1ST, 1924, AND ENDING OCTOBER 1, 1925, IRR. DIV. NO. 2

Dist. No.	Reservoir	EXPRESSED IN ACRE-FEET											
		Nov. 1, 1924	Dec. 1, 1924	Jan. 1, 1925	Feb. 1, 1925	Mar. 1, 1925	April 1, 1925	May 1, 1925	June 1, 1925	July 1, 1925	Aug. 1, 1925	Sept. 1, 1925	Oct. 1, 1925
10	Fountain Valley No. 2	96	96	606	1748	3000	3428	2957	2371	1622	1014	737	461
10	Fountain Valley No. 3	.....	.....	.....	104	46	145	.....	.....	.....	.....	.....	.....
10	Spring Run No. 1	.....	.....	.....	50	.....	60	.....	.....	.....	.....	.....	.....
10	Spring Run No. 2	.....	.....	.....	178	257	311	.....	.....	.....	.....	.....	.....
10	Calabhan Reservoir	64	.....	.....	64	449	449	250	250	.....	.....	.....	.....
10	Monument State	.....	.....	.....	.....	.....	363	350	350	900	.....	.....	.....
11	Sugar Loaf	3762	3756	3786	3805	3841	3841	3841	4109	5238	5946	7655	6068
11	Twin Lakes	9125	9379	9379	10432	10520	10432	10110	9582	3882	11114	7894	8203
11	Clear Creek	1042	1333	1323	1323	1423	1423	1323	1986	3370	2030	1445	1445
12	Mount Pisgah	33	227	334	466	786	.....	668	350	149	319	1028	786
12	Brush Hollow	220	646	964	1561	2182	.....	1684	158	62	165	198	493
12	Colorado Springs System	3537	3326	2976	2778	2421	.....	2206	2207	2337	2366	2868	2868
12	Cripple Creek System	680	535	463	393	333	.....	533	603	603	831	831	831
12	Victor	624	473	403	325	246	.....	188	221	190	205	273	320
12	Skaguay	1562	1095	687	333	227	.....	.....	25	89	348	786	732
13	Dye-Deweese	1100	1100	.....	.....	3270	3272	2270	1270	740	1160	3200	1770
14	Teller	2875	2875	2875	2875	2800	2800	2800	632	632	.....	3775	3775
14	Lake Henry	3342	3342	3342	6517	6500	6500	6000	5000	.....	1500	1500	1500
14	Lake Meredith	9085	9085	10560	16383	17300	16600	13925	12500	1926	13000	1177	1100
15	Beckwith Lake	134	153	223	284	284	284	229	174	.....	74	174	134
16	Coler	1600	1660	1660	1660	1660	1661	.....	.....	.....	.....	.....	.....
16	Chucharas	21335	21335	21335	21335	20490	20490	20490	12843	12843	17730	14370	14370
16	Bradford	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Adobe Creek	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Horse Creek	.....	.....	.....	8930	12190	11415	6590	.....	.....	9868	16186	.....
17	Dev Lake	.....	.....	.....	.....	1177	2863	2729	98	.....	4580	1441	995
17	Holbrook Reservoir No. 1	2145	2145	2145	4840	5978	5613	5400	4500	775	4825	3155	1274
18	Seven Lakes	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Model	.....	882	1590	2534	4250	6684	3021	1858	.....	4813	2646	5398
19	Hermosa Valley	.....	150	150	150	150	150	150	.....	.....	150	490	483
67	Queen	17924	17216	17539	17539	17296	17296	15670	12197	9795	9423	9191	8730
67	Nee No Shee	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
67	Nee Gronda	.....	61577	57695	61338	65085	72438	62017	53185	38489	37483	35973	26152
67	Nee Sopah	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
67	Two Buttes	1678	1181	1711	2464	2464	2447	2430	9269	9853	26386	23703	35870
Totals		145390	145390	145390	171697	196662	190098	167612	135771	98995	155330	153908	122713

ANNUAL REPORT IRRIGATION DIVISION ENGINEER
DIVISION No. 2, 1926

Pueblo, Colo., November 26, 1926.

Mr. M. C. Hinderlider, State Engineer,
Denver, Colo.

Dear Sir: I herewith submit to you my annual report for the year ending November 1st, 1926. The winter supply of snow was far below normal up to the middle of March. After this time there were several heavy snow storms during the last days of March and the month of April, which brought the water content of the snow up to 5.46 inches. The average water content for thirteen years is 3.98 inches. The run-off from the snow water was good and on the whole the supply of irrigation water was sufficient to meet the demands up to July. The 1926 irrigation season differs from many others in that there were no heavy or large floods. There were a number of small raises but none large enough to damage headgates, dams or canal banks. Since July 1st the rainfall has been below normal and reservoir water has been in great demand to save and mature crops. Our system of agriculture is adapted to a dry climate. The dryness aids greatly in ripening and maturing crops and in providing good weather for harvesting. The crops we grow ripen and mature to perfection in dry weather. Melons have a better flavor and beets have more sugar in dry years. The annual rainfall during the twelve months ending October 31st, 1926, was 10.11 inches. The average annual rainfall is 11.97 inches. On the whole the water supply was a little below the average.

On the night of June 14th the Valley was visited by one of the worst hailstorms ever experienced in the extent of the ground covered by the storm. The storm reached from the Apishapa Creek to Dodge City, Kansas, distance of 250 miles. The damage was great but many crops had time to grow out and a good harvest was had of everything except the small grains in the hailed district which were practically a total loss. Fortunately such storms do not occur often.

There was a total of 207,733 acre-feet of water in storage on May 1st and on November 1st there was 85,699 acre-feet of water in storage. Much of this water cannot be drawn off or it would have been used. The difference between the amount of water in storage on May 1st and November 1st does not represent the amount of water run from the reservoirs. During the summer months of June, July and August, storage water was run into the reservoirs and run out again. This does not show in the May 1st and November 1st totals.

The Water Commissioners reports show a total of 274,605 acre-feet of water used from reservoirs during the past season in

Irrigation Division No. 2. This is equivalent to a six-inch irrigation on every acre of land actually irrigated in Irrigation Division No. 2.

Reservoir water has again demonstrated its value to our farmers in that it gives water at a critical time in the life of growing crops.

The duty of keeping correct accounts of transmountain diversions and a record of reservoir exchanges of water is increasing and is taking up considerable of my time. A canal sometimes receives water from two reservoirs and a reservoir has been known to be storing transmountain water by exchange and at the same time making a run of water to a canal many miles below. All this has to be timed correctly and a careful account kept of the flow at each point and all balanced up. However, this additional water adds to the crops grown and hence to the value of agriculture.

Crops raised in the Arkansas Valley have been a little above the average as to yield and above the average in quality. Taking the Valley as a whole.

The acreage in alfalfa is reported as 217,558 acres which is a small increase over 1925. Cereals are given as 143,324 acres, an increase of 17,000 acres. Sugar beets are reported as 19,600 acres. The total number of acres of land irrigated is 544,867 acres. This is an increase of 44,300 acres over last year. This apparent increase is probably due to a closer gathering of the crop acreage rather than to an actual increase in the acreage.

More accurate measuring of the water and closer observations by the water officials in the discharge of their duties gives better service to all and does away with misunderstandings and consequent hard feelings. The self-registers on headgates continue to give good service and also to train the headgate men and Ditch Superintendents to more carefully comply with the Water Commissioners orders. The Arkansas river is a stream that has frequent and sudden changes in the volume of flow owing to torrential storms on the many tributaries. To take advantage of these raises it requires close attention to duty and correct gaging stations. This Irrigation Division is in need of an additional hydrographer to look after the transmountain diversions and reservoir runs of water in the mountains. The large territory assigned to one man does not permit of giving these reservoirs the attention that they should have.

Irrigation Division No. 2 is fortunate in having a good set of Water Commissioners who are competent and conscientious in the discharge of their duties. I commend them very highly. There have been very few complaints from the water users of any of the Districts and in most of such cases the water user did not understand the limitations on the duties of the Water Commissioner. More was expected than the law permitted.

The variety of crops grown is the same as grown in years

past. Some variation in the acreage of each crop has taken place, but is due to the individual ideas of the farmers. Farmers in the mountain sections have good success growing head lettuce and cauliflower.

In conclusion I desire to thank all connected with the water service for the hearty co-operation in the discharge of the various duties assigned to each one.

Yours truly,

C. W. BEACH.

IRRIGATION DIVISION No. 2
TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL REPORTS FOR
THE IRRIGATION SEASON OF 1926.

(1) Number of District	(2) Amt. Appropriated in Second Foot	(3) Capacity of Ditches in Second Foot	(4) Length of Main Ditches in Miles	(5) Length of Laterals in Miles	(6) First Day Water Diverter from Natural Stream	(7) Last Day Water Diverter from Natural Stream	(8) Maximum Number of Days Water Diverter from Natural Stream	(9) Maximum Number of Days Water Carried from Reservoir	(10) Amount of Water Carried from Reservoir Acre-Feet	(11) Av. Daily Amt. Water Diverter from Nat. Stream Cu. Ft. per Sec.	(12) No. of Acre-Feet Diverter during Season from Natural Stream	(13) Total No. of Acres that can be Irrigated
10	663.70	No Report	208.20	No Report	March 1st	Oct. 31st	175	No Report	No Report	177.75	43,601	34,070
11	740.26	No Report	609.0	No Report	May 1st	Oct. 31st	135	72	77,293	739.3	199,870	28,823
12	1,234.72	No Report	No Report	No Report	Nov. 1, 1925	Oct. 31, 1926	365	85	3,261	No Report	332,878	36,727
13	480.87	No Report	245.35	No Report	April 1st	Sept. 15th	160	No Report	2,320	877.36	49,007	19,516
14	2,170.46	2,310.	268.9	No Report	Nov. 1, 1925	Oct. 31, 1926	365	.72	75,823	683.	218,912	144,640
15	190.90	253.9	90.55	No Report	March 1st	Oct. 31st	201	No Report	939	125.84	227,460	13,296
16	\$14.56	No Report	No Report	No Report	Nov. 1, 1925	Sept. 30th	165	78	16,066	495.58	473,247	48,450
17	5,636.78	8,634.	383.	No Report	Nov. 1, 1925	Oct. 31, 1926	365	44	45,698	1,068.	287,308	232,100
•18	.....	343.01	56.	No Report	April 4th	Aug. 14th	52	....	.....	4.27	2,263	7,386
19	1,846.28	No Report	389.29	No Report	Nov. 1, 1925	Oct. 31, 1926	245	140	31,696	437.73	111,616	70,142
67	1,467.90	No Report	169.9	No Report	Nov. 1, 1925	Oct. 31, 1926	238.0	68	21,509	421.12	162,094	65,240
Totals	15,246.43		2,410.39						274,605	5,029.92	2,108,248	700,390

*From 1925 report. Water Commissioner District No. 18 did not work in 1926 and did not submit a report.

ANNUAL REPORT IRRIGATION DIVISION ENGINEER
DIVISION No. 3, 1925

Alamosa, Colo., November 20, 1925.

Mr. M. C. Hinderlider, State Engineer,
Denver, Colo.

Dear Sir: I herewith submit to you my report for the irrigation season ending November 1, 1925.

We have had a very peculiar season. Owing to the light snow-fall in the mountains last winter the runoff during May and June was far below normal. This condition caused a great deal of anxiety and unrest among the water users, especially those under ditches on the Rio Grande below Monte Vista. These people called a meeting and organized a Water User's Association. The Division Engineer was called before the association and asked to explain why he did not compel the reservoir owners to comply with the law, compelling them to maintain measuring devices on all streams running into a reservoir. The Division Engineer claimed that the contour method of measurement was more fair and equitable. After an extended discussion, the well known Water Engineer, W. W. Reilly of Monte Vista was employed to make a study of the condition at the reservoirs and to report at the next meeting. Mr. Reilly and myself spent a week at the different reservoirs and at the next meeting he advised the association that the contour method was the only fair way of distributing water from the different reservoirs. This was agreed upon by the association. We then installed a Bristol automatic register on the Rio Grande below the outlet of the Rio Grande (commonly called Farmers Union) reservoir and one at the head-gate of the Farmers Union Ditch also, a Bristol was installed below the outlet of the Santa Maria reservoir. During the season I have had an occasion to visit all of the principal reservoirs at least once, some of them twice or three times and found nothing of importance to report except, that at the Lost Lakes Reservoir, capacity 2,500 acre-feet, should have an automatic registering device installed at the outlet, to be used when they run water out. This reservoir is situated on the head of Lost Lakes Creek and water from the reservoir when turned out must run down the creek five or six miles then into the Rio Grande Reservoir from thence through the gates into the Rio Grande River thence down the river to Del Norte. A device with charts would give the Commissioner and the Rio Grande Reservoir people some idea when and how much water is diverted. The Smith and the Beaver Park Reservoirs should have staff gages installed.

In June, contrary to all expectations, showers and cool weather came which continued during July, making an ideal season for all crops, especially potatoes, resulting in the best crops that the San Luis Valley has had for many years. Up to Novem-

ber 1st there has been shipped out of the valley, 3,600 cars of potatoes, 1,188 cars of head lettuce (as against 300 cars last year) 182 cars of cauliflower, 161 cars other vegetables and 19 cars of garden peas. The 1,470 acres of sugar beets planted under contract with one of the sugar companies have demonstrated that this valley is adapted to sugar beet culture, tonnage running from ten to eighteen and sugar contents from fourteen to twenty-two per cent. There will be 3,000 acres planted next year.

Attached hereto find a tabulated statement of Water Commissioners' reports.

I desire to thank yourself and all others connected with your office for the valuable assistance given this office.

Respectfully submitted,

E. S. COUNSELOR,
Irrigation Division Engineer,
Division No. 3.

IRRIGATION DIVISION No. 3

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
DITCH REPORTS FOR THE IRRIGATION SEASON OF 1925

District Number	Number of Priorities Reported	Amount of Ap- propriations in Second-Feet Reported	Length of Main Ditches in Miles	Length of Laterals in Miles
20	388	5,950.11	671	1,085
21	78	5,601.88	243.8	.....
22	188	5,615.26	159.75	107.75
24	67	552.81	55.44	1,560
25	131	509.71	94	.....
26	187	1,764.68	.....	.....
27	67	103.98	44.75	17.75
35	92	997.28	145.05	111.35
Totals....		21,095.71	1,359.79	1,337.45

Dist. No.	First Day Water Diverted from Natural Streams for Irrigation	Last Day Water Diverted from Natural Streams for Irrigation	Max. No. Days Water Diverted from Natural Streams for Irrigation	Maximum Number Days Water carried from Reservoirs
20.....	April 1	Oct. 15	195	57
21.....	March 21	Nov. 1	208	84
22.....	April 15	Nov. 1	197	195
24.....	March 5	Oct. 31	214	95
25.....	April 1	Oct. 31	180	95
26.....	April 1	Nov. 15	229	95
27.....	March 23	Nov. 5	227	95
35.....	April 15	Nov. 1	198	149

No. of District	Amount of Water carried from Reser- voirs, Acre- Feet	Average Daily Amount of Water Diverted by Ditches during Season from Natural Streams for Irrigation Second-Feet	Number of Acre-Feet Diverted by Ditches during Season from Natural Streams for Irrigation	Total Number Acres that can be Irrigated
20	32,220	1,944.8	586,018	334,582.75
21	7,644	472.8	58,104.4	67,133
22	2,340	1,705	260,457	137,052
24	4,340	536.99	39,818.12	23,767
25	4,340	106.5	28,330	66,600
26	4,340	1,013.07	43,367.12	46,865
27	4,340	.....	.....	7,282
35	6,494	167.44	19,569.36	59,250
Totals....		5,946.56	1,035,661.00	712,529.75

No. of District	Alfalfa	Natural Grasses	Cereals	Orchards	Market Gardens	Potatoes
20	43,326	159,227	41,875	...	77	20,585.5
21	10,040	22,817	6,259.5	...	10	899
22	17,111	42,733	26,226	16	47	1,363
24	6,629	12,735	14,054	100	912	256
25	1,775	13,870	1,575	5	66	5
26	2,965	38,757	953	...	367	17
27	906	5,041	.....	...	22	183.5
35	2,795	5,078	1,597	1	455.75	44
Totals.....	85,547	290,358	92,539.5	122	1,956.75	23,353

No. of District	Beans	Cabbage
20	74	...
21	357	...
22	1,023	...
24	776	10
25 .....	...	...
26 .....	...	...
27	2	...
35	93	1.5
Totals.....	2,325	11.5

No. of District	Peas	Head Lettuce	Cauliflower	Garden Peas	Sugar Beets	Other Crops
20	51,918	1,904	54.75	364.5	710	14,367
21	3,319	1,904	12.00	364.5	35	801
22	16,995	1,628	48.00	90	312	20,624
24	3,850	400	48.00	90	320	1,440
25	320	100	48.00	90	320	60
26	25	100	48.00	90	320	3,679
27	471	100	3	90	1.33	197
35	1,479	100	3	90	92.50	3
Totals.....	78,377	4,032	117.75	454.5	1,470.83	41,171

No. of District	Total Irrigated in Acres	Cost of Superintendence	Repairs	Improvements
20	334,580.75	\$15,447.63	\$11,470.25	\$1,709.78
21	44,537.50	45,447.63	11,470.25	1,709.78
22	128,180.00	45,447.63	11,470.25	1,709.78
24	31,536.00	2,290.00	805.00	2,829.00
25	17,776.00	2,290.00	805.00	2,829.00
26	46,763.00	2,290.00	2,510.00	1,395.00
27	6,826.83	2,290.00	1,095.00	435.00
35	11,639.75	4,250.00	3,075.00	435.00
Totals.....	621,835.83	\$51,982.63	\$18,955.25	\$6,368.78

AMOUNT OF WATER IN RESERVOIRS ON FIRST OF EACH MONTH
(ACRE-FEET)

	Rio Grande	Santa Maria	Sanchez	Terrace	Mt. Home	Smith
May	8,996	13,735	11,686	1,027	3,320	5,886
June	21,682	14,776	11,759	2,274	3,705	3,514
July	34,171	16,484	4,408	1,853	2,003	2,610
August	25,188	10,867	2,547	662	1,096	1,996
September	12,304	8,765	4,817	7,055	763	1,231
October	21,224	10,489	6,380	1,022	474	430
November	30,605	12,259	6,614	2,045	437	....

ANNUAL REPORT IRRIGATION DIVISION ENGINEER
DIVISION No. 3, 1926

Alamosa, Colo., November 27, 1926.

Mr. M. C. Hinderlider, State Engineer,
Denver, Colo.

Dear Sir: I herewith submit to you my report for the irrigation season of 1926.

The season has been very dry, but one general rainfall during the entire season.

The hot dry weather of the last of August and first of September tended to cut down the production of potatoes, even in the districts that were supplied with plenty of reservoir water.

On November 27th there had been 4,083 cars of potatoes shipped out of the San Luis Valley and it is estimated that there are 2,300 cars to follow.

There is 4,226 acres of head lettuce reported, this does not include all of the lettuce raised, for I think that some of the commissioners have included that crop under the easy catch-all title of, "Other Crops."

The crop that matured late brought the best prices. One thousand two hundred and sixty-six cars were shipped this season and 1,180 last season.

The raising of garden peas is a new business, about 1,000 acres were raised this season and shipped on ice to the eastern markets, bringing the grower good returns.

The growing of sweet clover, for seed, has become a paying industry, 27,922 acres are reported this season. There is a constant demand for the seed at good prices.

This crop is restoring the fertility of the soil especially on farms that have been cultivated for the last seventy-five years.

There was not sufficient water for late irrigation of beets in districts, not supplied with storage reservoirs resulting in a less tonnage of beets compared with last year. About 200 cars have been shipped out of the valley.

This has been a busy season for all connected with the administration of water. I greatly appreciate the hearty co-operation and support of the Water Commissioners and other officials, especially Mr. D. S. Jones, Jr., State Hydrographer.

While on the subject of water commissioners I wish again to call to your attention, of the manner of their compensation. You will recall, that the statute says: that their compensation shall be pro rated, among the different counties.

Our Supreme Court, in the case of Clear Creek County v. McLean interprets, "pro rata," as follows: Each county in the district is liable for the proportionate share of the commissioner's

compensation regardless of the respective areas of lands irrigated or whether any service at all were performed therein.

This ruling works a hardship upon the smaller counties. I have in mind a small county in this division with less than five hundred acres irrigated land that pays the same amount as another county with one hundred fifty thousands acres.

While I hold the same opinion that I have expressed to you before, that the Water Commissioner is a State officer and should be paid by the State, I feel in case that we cannot get the Legislature to make this change, we should use our best efforts to have present statute changed so that their compensation would be pro rated according to the number of acres irrigated.

I desire to thank yourself and all others connected with your office for the valuable assistance rendered this office.

Respectfully submitted,

E. S. COUNSELOR,
Irrigation Division Engineer,
Division No. 3.

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
DITCH REPORT FOR THE IRRIGATION SEASON OF 1926

Number of District	Number of Priorities Reported	Amount of Appropriations in Second-Foot Reported	First Day Water Diverted from Natural Streams for Irrigation	Last Day Water Diverted from Natural Streams for Irrigation	Max. No. Days Total Water Diverted from Streams for Irrigation
20	396	5,879.53	April 1st	Nov. 15th	229
21	91	1,513.93	April 1st	Nov. 15th	229
22	196	3,919.71	April 1st	Nov. 15th	229
24	67	346.59	March 1st	Nov. 1st	245
25	130	850.79	March 1st	Nov. 15th	260
26	132	304.033	March 10th	Nov. 15th	249
27	37	.....	March 19th	Nov. 15th	249
35	69	1,343.51	March 20th	Nov. 4th	239
Totals..	1,118	14,158.09			

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL DITCH REPORTS
FOR 1926. DIVISION No. 3.

No. of District	Total No. Acres that can be Irrigated	Alfalfa	Natural Grasses	Cereals	Potatoes	Field Peas	Garden Peas	Lettuce
20	356,904	47,610	173,225	42,095	24,635	46,928	693	1,351
21	71,656	11,364	19,475	5,813.5	1,292	6,434	98.5	.....
22	124,920	16,590	40,821	22,445	1,727	13,135	...	2,134
24	24,368	7,272	2,510	14,118	223	4,410	...	400
25	78,700	2,885	56,530	2,775	157	300	...	.....
26	111,939	3,165	40,207	1,187	10	.....	...	.....
27	6,618	580	2,830	110	380	555	...	.....
35	61,644	2,125	5,800	1,478	63.25	1,516	27.5	341
Totals	837,009	91,091	341,398	90,021.5	28,487.25	73,278	819	4,226

No. of Dist.	Sugar Beets	Market* Gardens	Beans	Sweet Clover	Other Crops	Fall Plowing	Total Irrigated	Cost in Dollars Superintendence	Repairs
20	1,024	680	7	9,217	518	8,921	356,904	\$11,486.00	\$34,780.00
21	55	1,775	246	2,000	48	.....	47,003.5	No Report	.....
22	890	266	895	16,000	2,135	.....	117,038	No Report	.....
24	350	1,005	530	605	1,000	.....	32,423	2,040.00	3,743.00
25	.....	.....	.....	.....	120	.....	62,267	No Report	.....
26	.....	.....	.....	.....	5,751	.....	50,320	2,870.00	100.00
27	.....	.....	10	.....	1,437	.....	5,902	.....	135.00
35	90	72	94	100	.....	.....	11,706.75	7,588.00	.....
Totals	2,409	3,798.0	1,782	27,922	11,009	8,921	683,564.25	\$23,984.00	\$38,758.00

*Cauliflower, spinach, cabbage and turnips are included under Market Gardens.

AMOUNT OF WATER IN STORAGE IN RESERVOIRS ON THE FIRST OF
EACH MONTH, DURING 1926 IN ACRE-FEET

	Name of Reservoirs		
	Rio Grande	Santa Maria	Sanchez
January .....	.....	13,993	7,241
February .....	.....	14,464	7,247
March .....	.....	14,821	7,676
April .....	.....	15,300	8,046
May	34,744	18,093	10,502
June	48,067	23,865	22,324
July	45,832	26,423	21,209
August	29,627	15,663	15,297
September	5,814	9,169	8,828
October	3,772	6,851	7,992
November .....	.....	7,359	8,046

	Name of Reservoirs			
	Terrace	La Jara	Mountain Home	Smith
January	2,592	.....	.....	.....
February	3,020	.....	.....	.....
March	3,388	.....	.....	.....
April	3,913	.....	3,508	5,886
May	5,580	1,617	5,301	5,886
June	9,763	3,645	12,464	4,291
July	10,580	1,440	8,706	2,400
August	6,705	.....	7,005	1,996
September	3,196	.....	6,700	1,591
October	1,949	.....	6,397	1,231
November	2,273	.....	5,830	1,231
December	2,281	.....	.....	.....

AMOUNT OF WATER, (IN ACRE-FEET) IN THE SANTA MARIA RESER-
VOIR, ON THE 1ST DAY OF EACH MONTH FOR THE YEARS
1920 TO 1925

	1920	1921	1922	1923	1924	1925
January	20,376	27,037	30,380	5,036	20,480	8,891
February	20,564	26,931	30,274	6,042	21,169	9,574
March	20,745	26,814	30,049	6,804	21,653	10,248
April	20,948	26,904	29,900	7,993	22,079	11,013
May	21,220	26,421	30,991	8,392	25,231	13,755
June	28,280	25,217	36,009	16,033	33,127	14,776
July	33,862	32,077	38,953	22,395	36,016	16,526
August	31,722	32,787	27,696	18,083	21,772	10,867
September	26,648	29,691	5,822	12,991	7,505	8,773
October	26,559	30,281	1,473	16,411	6,785	10,520
November	26,728	30,463	1,981	19,095	7,052	12,302
December	27,080	30,518	3,577	19,747	7,903	13,274

AMOUNT OF WATER (IN ACRE-FEET) IN THE RIO GRANDE RESER-
VOIR ON THE 1ST DAY OF THE MONTH, FROM 1920 TO 1925

	1920	1921	1922	1923	1924	1925
January .....	.....	.....	.....	.....	.....	.....
February	21,201	.....	.....	.....	.....	.....
March	22,096	.....	.....	.....	.....	.....
April	23,108	30,516	.....	11,007	.....	9,008
May	25,520	27,370	13,374	7,162	29,804	5,984
June	36,836	40,175	21,645	20,976	34,500	25,188
July	48,380	48,835	47,922	47,398	47,293	34,147
August	34,275	35,922	24,501	32,371	17,113	20,971
September	26,780	24,114	7,497	20,396	.....	12,304
October	23,183	19,193	4,631	23,562	.....	21,420
November	21,329	1,868	2,457	25,269	875	30,605
December .....	.....	.....	.....	.....	.....	.....

48380
20142
25197

48835
19193
29652

47922
4631
4329

47398
23562
23826

49243

30147
21420
8727

ANNUAL REPORT IRRIGATION DIVISION ENGINEER
DIVISION No. 4, 1925

Montrose, Colo., Nov. 30, 1925.

Mr. M. C. Hinderlider, State Engineer,
Denver, Colo.

Dear Sir: In compliance with the Statutes, I am herewith submitting my annual report of Irrigation Division No. 4 for the fiscal year ending November 30th, 1925.

Last year when submitting my annual report for that year, I gave considerable detailed information which, with the account of other things that transpired in Division No. 4, made my report a rather lengthy one, and at your request I cut out over half of the report then submitted, so that the expense of printing the same might not be a burden on the State. This year I am submitting a rather short, and I hope, a concise report.

Previous to February 1st of this year I was compelled to rent an office at a considerable expense, but on February 1st, by an arrangement with the Board of County Commissioners of Montrose County, I moved my office to the new court house, and am now nicely located with the County Engineer in that building. This enabled me to secure an adequate office at a much less expense to the State.

The snowfall during the fall of 1924 and spring of 1925 was so much below normal, that we were somewhat fearful of not having an adequate supply of water for irrigation purposes. This was especially so in Districts 40 and 42, where the snowfall on Grand Mesa was so much below normal that very few of the reservoirs were filled. In fact, the run-off was barely enough to fill the decreed priorities. Had it not been for the excessive rainfall the latter part of July and during the month of August, the crops would have suffered very materially for want of water. This scarcity of water during the spring months resulted in no small amount of controversy between the reservoirs having decrees senior to many of the ditches. The ditches with junior appropriations demanded the water that should have gone to reservoirs with their older appropriations. We do not believe that a junior ditch has a right to the use of water until the reservoir with a senior appropriation is filled.

Also, in District No. 61, the snowfall in the LaSal mountains, which is the water-shed of that District, was so light that only a partial crop was raised. This was also true of the head waters of the La Plata river.

During the past season we kept up 11 river stations, besides making measurements in five others, making in all 60 measurements. We also made about 80 canal and ditch measurements during the season.

Considerable work was done in the way of building and im-

proving reservoirs in Districts 30, 34, 40 and 42. In District No. 30, the Electra Lake dam was practically rebuilt and put in excellent condition.

In District No. 34, the Montezuma Canal and Reservoir Company had been having considerable trouble with the Naraguinippe dam and they spent several thousands of dollars in working over the dam so as to prevent seepage, which was very prevalent. While this company was unable to stop all the seepage at the outer toe of the dam, we think this dam is perfectly safe and in splendid condition.

One reservoir was completed at the head of Leroux Creek in District No. 40, and two more were in process of construction. During the previous year the State Engineer had made a visit to the Overland Reservoir at the head of Hubbard Creek, in Delta County, and in December a report was furnished this office to the effect that the reservoir had been completed according to the plans and specifications required by your office.

Two reservoirs also are being constructed in District No. 42.

In District No. 68 many new headgates and rating flumes were installed. There was considerable trouble over the distribution of water in this District during the season, and this office was severely criticised by many of the water users; in fact, an indignation meeting was held, but after a committee visited this office and learned the facts as they were, the Water Commissioner resigned and harmony once more prevailed.

A letter of instructions from the State Engineer's office advised the Division Engineers to meet with the Ditch Companies and water users as far as practicable and advise with them relative to their problems. In compliance with these instructions, we attended nine meetings of water users during the year.

The La Plata River Compact, by which the waters of the La Plata river are divided between the states of Colorado and New Mexico, went into effect this year. It was indeed unfortunate that this Compact had to be put into operation in the driest year known to this locality. It was necessary at times to pro-rate the water between the two states. We received a vast amount of assistance from your office and also from Mr. Ingham, the Hydrographer, and it was indeed a pleasure to work with men like the New Mexico State officials. We had two meetings with the representatives of the New Mexico Engineer's office, and found them very agreeable men, willing to co-operate with us in every way possible. It is too early to tell after one season, the results of this Compact, but it is evident that when the flow of the stream is as low as 50 second-feet, it is going to be very difficult to furnish New Mexico with the amount of water required by this Compact.

The Grand Mesa Water Users Association, which is really a consolidation of all the reservoir interests on Grand Mesa, was

reorganized in the early spring. This Water Users Association handles all the reservoir water in District 40 except the Surface Creek Ditch and Reservoir Company, the Granby Reservoir Company, and the Battlement Reservoir Company, which do not belong to this Association.

There are no annual reports from Districts 29, 59 and 62. In District 28 the Commissioner worked only a few days and therefore was unable to make a very satisfactory report. In District 29 the Commissioner did not work at all, and Districts 59 and 62 are without Water Commissioners.

We have been in the habit, heretofore, of making recommendations which we considered for the best interests of the service. At this time, we shall refrain from making any, with two exceptions: First, that we again suggest that Water Commissioners should be assignable, so that the Division Engineers could send a Water Commissioner into other districts when his services are not required in his own. Under this arrangement, one Water Commissioner, employed all the time during the irrigating season, could handle Districts 28, 59 and 62. Under the present arrangement, it is difficult to get a man for any of these Districts, for the reason that they work but a short time, consequently they are unable to furnish valuable reports, and the water users are frequently without the services of a Water Commissioner at a time when he is very much needed.

The second recommendation is that a law should be passed that would enable Division Engineers to appoint ditch riders at the expense of the ditch, for unincorporated ditches that are not able to agree among themselves as to the distribution of water from their ditches. Most of the litigation in my Division results from disputes among owners in the same ditch, relative to the distribution of the water from their ditches.

In September, Mr. R. L. Parshall of Fort Collins, installed an Improved Venturi Flume in District No. 40. Since that time we have installed two more of these Venturi Flumes. We are so well pleased with this flume that we hope to have a great many installed in this Division in the near future. The ordinary rating flume is affected more or less by silt, but the Improved Venturi Flume is not affected in the least, and does not require to be re-rated as in the case of the ordinary flume.

Notwithstanding the shortage of water in some of the districts, the crops in the entire Division were never better than they are this year, and the prices are generally good.

Mr. J. H. Baily, the Chief Hydrographer, made several trips over the Division in the interest of hydrography work, and Mr. Hinderlider also visited the Division on two occasions and assisted us very materially by his advice and counsel.

REPORT OF WATER IN STORAGE RESERVOIRS EACH MONTH IRRIGATION SEASON OF 1925

Where blanks occur it is to be understood the Reservoir is empty.

Name of Reservoir	DISTRICT No. 34						Nov. 1st
	May 1st	June 1st	July 1st	Aug. 1st	Sept. 1st	Oct. 1st	
Summit	1,070,000	926,250	891,667	856,000	803,500	613,334	535,000
Bauer Lake, 1 and 2	239,319	212,880	186,739	163,304	130,754	94,545	42,500
Totten Lake	322,800	222,560	150,230	90,120	60,350	31,250	12,000
Narraguinnip	3,920,500	3,715,145	3,220,500	1,125,200	750,000	421,525	300,000
Weber	960,200	700,000	599,967	321,250	149,120	75,315	10,500
DISTRICT No. 30							
Cascade	181,621,440	553,029,120	912,643,200	979,403,040	1,046,455,200	1,046,455,200	.....
DISTRICT No. 60							
Trout Lake	32,659,200	98,431,200	104,146,560	101,152,800	107,866,080	114,216,480	.....
Lake Hope .....	.....	.....	.....	Aug. 27th	Sept. 21st	.....	.....
				115,214,400	122,472,000		

IRRIGATION SEASON OF 1925

DISTRICT No. 10

REPORT OF WATER IN STORAGE IN RESERVOIRS SITUATE WITHIN SURFACE CREEK DRAINAGE BASIN

Name of Reservoir	May 1st	June 1st	July 1st	Aug. 1st	Sept. 1st	Oct. 1st	Nov. 1st
Leon Lake	46,411,488	46,411,488	44,553,888	17,942,688	.....	.....	.....
Slide-rock	367,200	367,200	.....	.....	.....	.....	.....
Chippmunk	1,036,800	1,036,800	.....	.....	.....	.....	.....
Trietle	777,600	777,600	648,000	129,600	.....	.....	.....
Cole No. 3	172,800	172,800	.....	.....	.....	.....	.....
Cole No. 1 and 2	1,296,000	1,296,000	172,800	.....	.....	.....	.....
Y & S	1,987,200	1,987,200	777,600	.....	.....	.....	.....
Leon Park	2,592,000	2,592,000	1,663,200	.....	.....	.....	.....
Greenback Grove	1,252,800	1,252,800	475,200	.....	.....	.....	.....
Cadumet	648,000	648,000	864,000	.....	.....	.....	.....
Park	43,459,200	43,459,200	43,459,200	30,931,200	25,833,600	20,736,000	20,736,000
Cedar Mesa	4,665,600	4,665,600	1,641,600	.....	.....	.....	.....
Bonita	3,628,800	3,628,800	3,628,800	324,000	.....	.....	.....
Kelmsier	1,252,800	1,252,800	1,252,800	.....	.....	.....	.....
Sacket	1,382,400	1,382,400	1,382,400	.....	.....	.....	.....
Weir & Johnson	9,504,000	9,504,000	9,504,000	4,320,000	.....	.....	.....
Twin No. 1	1,231,200	1,231,200	1,231,200	.....	.....	.....	.....
Twin No. 2	1,198,368	1,198,368	1,198,368	273,888	.....	.....	.....
Blanch Park	691,200	691,200	691,200	.....	.....	.....	.....
Military Park	1,209,600	1,209,600	1,209,600	.....	.....	.....	.....
Dryfuss	1,166,400	1,166,400	1,166,400	.....	.....	.....	.....
Trout Lake	1,382,400	1,382,400	1,382,400	332,640	.....	.....	.....
Foreck	604,800	604,800	604,800	.....	.....	.....	.....
Cole No. 5	1,497,600	1,497,600	.....	.....	.....	.....	.....
Greenwood	691,200	691,200	691,200	.....	.....	.....	.....
Stell Lake	950,400	950,400	950,400	.....	.....	.....	.....
Elk Park	1,296,000	1,296,000	1,296,000	.....	.....	.....	.....
Vela	2,160,000	2,160,000	2,160,000	.....	.....	.....	.....
Round Lake	345,600	345,600	345,600	345,600	.....	.....	.....
Weir Park	864,000	864,000	864,000	864,000	.....	.....	.....
Totals	135,723,456	135,723,456	123,027,056	55,463,616	25,833,600	20,736,000	20,736,000

IRRIGATION SEASON OF 1925

REPORT OF WATER IN STORAGE IN RESERVOIRS SITUATE WITHIN LEROUX CREEK DRAINAGE BASIN

Name of Reservoir	May 1st	June 1st	July 1st	Aug. 1st	Sept. 1st	Oct. 1st	Nov. 1st
Bella	3,715,200	3,525,120	665,280	.....	.....	.....	.....
Crater	5,391,360	5,391,360	4,440,960	1,552,200	.....	.....	.....
Wash Tub	285,120	285,120	.....	.....	.....	.....	.....
Bailey	31,622,400	31,622,400	31,104,000	15,033,600	.....	.....	.....
Cook-Ellington	829,440	829,440	829,440	.....	.....	.....	.....
Green Mountain	479,600	479,600	479,600	129,600	.....	.....	.....
Patterson No. 2	3,568,320	3,568,320	3,568,320	1,036,800	.....	.....	.....
Dog Flat	8,510,400	8,510,400	8,510,400	5,270,400	.....	.....	.....
Brockman No. 1	1,296,000	1,296,000	1,296,000	1,296,000	.....	.....	.....
Miller	1,728,000	1,728,000	1,728,000	.....	.....	.....	.....
Doughty	5,529,600	5,529,600	5,529,600	3,542,400	1,382,400	.....	.....
Skim Milk	1,900,800	1,900,800	1,900,800	438,400	.....	.....	.....
Gray	7,301,440	7,301,440	7,301,440	2,436,480	.....	.....	.....
Lucky Find	2,592,000	2,592,000	2,592,000	1,160,000	.....	.....	.....
Hobson	760,320	760,320	760,320	.....	.....	.....	.....
Hill Top	1,036,800	1,036,800	1,036,800	475,200	.....	.....	.....
Holly Terror	7,344,000	7,344,000	7,344,000	5,063,040	2,661,120	.....	.....
Blade	2,073,600	2,073,600	2,073,600	1,123,200	388,800	.....	.....
Fisher	259,200	259,200	259,200	.....	.....	.....	.....
Patterson No. 1	1,080,368	1,080,368	1,080,368	717,120	.....	.....	.....
Bella No. 2	1,382,400	1,382,400	1,382,400	717,120	.....	.....	.....
Olive	950,400	950,400	950,400	190,080	.....	.....	.....
Barrow	1,412,640	1,412,640	1,412,640	1,110,240	604,800	.....	.....
Brockman No. 2	1,252,800	1,252,800	1,080,000	1,080,000	561,600	.....	.....
Owens	1,296,000	1,296,000	1,296,000	.....	.....	.....	.....
Patterson No. 3	1,728,000	1,728,000	1,728,000	1,555,200	.....	.....	.....
Lost Hunter	570,240	570,240	570,240	570,240	.....	.....	.....
Totals	95,896,440	95,704,360	90,919,808	44,497,320	5,598,720	.....	.....

IRRIGATION SEASON OF 1925

REPORT OF WATER IN STORAGE IN RESERVOIRS SITUATED WITHIN WARD, KISER AND YOUNGS CREEK DRAINAGE BASIN

Name of Reservoir	May 1st	June 1st	July 1st	Aug. 1st	Sept. 1st	Oct. 1st	Nov. 1st
Surface Creek R. Co.	185,692,200	185,109,000	179,320,200	109,012,200	59,784,200	50,044,200	48,769,200
Pine	864,000	864,000	864,000	864,000	864,000	.....	.....
Reed	3,628,800	3,628,800	3,628,800	1,900,000	863,200	.....	.....
Bull Finch	1,080,000	1,080,000	1,080,000	1,080,000	.....	.....	.....
Womack	691,200	691,200	691,200	.....	.....	.....	.....
Little Gem	1,274,400	1,274,400	1,274,400	1,101,600	475,200	.....	.....
January	2,130,400	2,130,400	2,130,400	1,784,800	.....	.....	.....
Finney	2,592,000	2,592,000	2,592,000	.....	.....	.....	.....
Youngs Creek R. Co.	9,599,040	9,599,040	9,210,240	7,050,240	4,492,800	3,456,000	3,456,000
Goodenough	3,120,400	3,120,400	518,400	518,400	518,400	.....	.....
Prebble	6,696,000	6,696,000	6,048,000	1,209,600	.....	.....	.....
Pedro	2,548,800	2,548,800	2,548,800	1,771,200	993,600	.....	.....
Blanchard	1,380,672	1,380,672	1,380,672	1,121,472	127,872	.....	.....
Harris	864,000	864,000	259,200	.....	.....	.....	.....
Totals	222,161,912	221,578,712	211,546,312	127,413,512	68,099,272	53,500,200	52,225,200

IRRIGATION SEASON OF 1925

REPORT OF WATER IN STORAGE IN RESERVOIRS SITUATE WITHIN COW CREEK DRAINAGE

Name of Reservoir	May 1st	June 1st	July 1st	Aug. 1st	Sept. 1st	Oct. 1st	Nov. 1st
Overland	247,968,000	247,968,000	247,968,000	161,568,000	54,432,000	.....	.....
	247,968,000	247,968,000	247,968,000	161,568,000	54,432,000	.....	.....

REPORT OF WATER IN STORAGE IN RESERVOIRS SITUATE WITHIN MINNESOTA CREEK DRAINAGE

Name of Reservoir	May 1st	June 1st	July 1st	Aug. 1st	Sept. 1st	Oct. 1st	Nov. 1st
Monument	72,250,000	72,250,000	72,250,000	43,361,008	.....	.....	.....
	72,250,000	72,250,000	72,250,000	43,361,008	.....	.....	.....

REPORT OF WATER IN STORAGE IN RESERVOIRS SITUATE WITHIN CRYSTAL CREEK DRAINAGE

Name of Reservoir	May 1st	June 1st	July 1st	Aug. 1st	Sept. 1st	Oct. 1st	Nov. 1st
Fruitland	208,000,000	208,000,000	175,168,000	68,032,000	.....	.....	.....
	208,000,000	208,000,000	175,168,000	68,032,000	.....	.....	.....

REPORT OF WATER IN STORAGE IN RESERVOIRS SITUATE WITHIN GEORGE CREEK DRAINAGE

Name of Reservoir	May 1st	June 1st	July 1st	Aug. 1st	Sept. 1st	Oct. 1st	Nov. 1st
Basin	2,246,400	2,246,400	1,814,400	1,123,200	.....	.....	.....
Buttlemont	11,361,600	11,188,800	10,065,600	6,739,200	2,419,200	.....	.....
Granby System	45,360,000	44,841,600	41,702,400	22,522,400	16,906,400	11,765,600	11,765,600
	58,968,000	58,276,800	53,582,400	30,385,000	19,325,600	11,765,600	11,765,600

REPORT OF WATER IN STORAGE IN RESERVOIRS SITUATE WITHIN HARTS BASIN DRAINAGE

Name of Reservoir	May 1st	June 1st	July 1st	Aug. 1st	Sept. 1st	Oct. 1st	Nov. 1st
Fruit Growers	148,780,800	148,780,800	99,120,000	49,560,000	4,320,000	4,320,000	4,320,000
	148,780,800	148,780,800	99,120,000	49,560,000	4,320,000	4,320,000	4,320,000

RECAPITULATION IRRIGATION SEASON OF 1925

REPORT OF WATER IN STORAGE IN RESERVOIRS SITUATE WITHIN DRAINAGE BASIN OF DISTRICT No. 40

Drainage Basin	May 1st	June 1st	July 1st	Aug. 1st	Sept. 1st	Oct. 1st	Nov. 1st
Leroux Creek	95,896,440	95,706,360	90,919,808	44,497,320	5,598,720	.....	.....
Cow Creek	247,968,000	247,968,000	247,968,000	161,568,000	54,432,000	.....	.....
Minnesota Creek	72,250,000	72,250,000	72,250,000	43,361,008	.....	.....	.....
Crystal Creek	208,000,000	208,000,000	175,168,000	68,032,000	.....	.....	.....
Surface Creek	135,723,456	135,723,456	123,027,056	55,463,616	25,833,600	20,736,000	20,736,000
George Creek	58,968,000	58,276,800	53,582,400	30,385,000	19,325,600	11,765,600	11,765,000
Harts Basin	148,780,800	148,780,800	99,120,000	49,560,000	4,320,000	4,320,000	4,320,000
Ward*, Kiser-Youngs	222,161,912	221,578,712	211,546,312	127,413,512	68,099,272	53,500,200	52,225,200
	1,189,748,608	1,188,284,128	1,073,581,576	580,280,456	177,609,192	90,321,800	89,046,200
	27,363 A. F.	27,328 A. F.	24,690 A. F.	13,344 A. F.	4,084 A. F.	2,077 A. F.	2,047 A. F.

IRRIGATION SEASON OF 1925

REPORT OF WATER IN STORAGE IN RESERVOIRS, DISTRICT 42

Name of Reservoir	April 1st	May 1st	June 1st	July 1st	Aug. 1st	Sept. 1st	Oct. 1st	Nov. 1st
Big Creek, 1, 3, 4, 7	12,065,760	47,764,080	153,180,720	.....	.....	.....	.....	22,634,640
Anderson and Libby, 1, 2, 3,	.....	.....	11,521,440	.....	.....	.....	.....	.....
Mesa Creek	.....	18,098,640	27,896,400	.....	.....	.....	.....	.....
Cottonwood	.....	60,374,160	1,814,400	.....	.....	.....	.....	.....
Coon Creek, 1, 2, 3, 4	4,672,080	5,488,560	12,564,720	.....	.....	.....	.....	.....
Bull Creek	.....	10,863,690	20,389,320	.....	.....	.....	.....	.....
Kannah Creek	.....	.....	80,468,640	.....	.....	.....	.....	.....
	.....	Dec. 1	.....	.....	.....	.....	.....	.....
Bull Creek	.....	1,882,440	.....	.....	.....	.....	.....	.....

We were compelled to bring one persistent water stealer before the Court of Justice in District No. 42. And the Supreme Court has just approved the conviction of an offender, who was tried in the County Court of Delta County last year.

Hereto attached is the tabulated Ditch and Reservoir Report of the Water Commissioners.

Thanking the office force for their courtesy and helpfulness, I am,

Sincerely yours,

H. C. GETTY,
Irrigation Division Engineer,
Division No. 4.

IRRIGATION DISTRICT No. 4

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL DITCH REPORTS FOR 1925

No. of District	Ditches Reported	Number of Priorities	Amount of Appro. Cu. Ft. per Sec.	Capacity of Canals and Ditches Cu. Ft. per Sec.	Length of Canals or Ditches in Miles	First Day Water Was Used
28.....	236	265	564	2,817	.....	April 1st
30.....	165	217	577	715	237	March 1st
33.....	37	37	655	391	81	April 10th
34.....	68	51	314	1,898	129	May 8th
40.....	351	302	2,074	3,048	802	May 1st
41.....	33	29	2,790	3,142	246	March 20th
42.....	267	251	4,416	5,200	570	Jan. 1st
60.....	91	103	502	731	309	March 20th
61.....	29	17	1,240	85	35	Feb. 1st
68.....	114	107	535	764	224	April 1st
69.....	14	15	21	90	21	April 2nd
	1,405	1,394	13,688	18,881	2,654	

No. of District	Last Day Water was Used	Average Number Days Water was Used	Average Daily Amount in Second-Foot	Number Acre-Feet Used	Number Acres can be Irrigated	Alfalfa	Natural Grasses
28.....	Sept. 1st	84	617	104,130	32,548	82	32,106
30.....	Dec. 31st	91	361	96,149	53,534	14,565	5,854
33.....	Oct. 7th	72	115	27,087	40,476	10,247	.....
34.....	Sept. 30th	98	681	185,015	95,820	25,405	6,420
40.....	Sept. 30th	110	1,417	377,096	240,432	69,152	27,010
41.....	Oct. 31st	195	1,635	680,830	121,050	15,852	1,275
42.....	Dec. 31st	111	1,339	478,253	199,537	52,295	10,953
60.....	Nov. 15th	78	370	79,601	62,237	17,404	877
61.....	Dec. 1st	143	17	4,907	11,529	2,225	58
68.....	Nov. 1st	100	457	92,058	29,061	6,415	4,264
69.....	Sept. 3rd	95	34	6,143	1,298	1,092	95
				2,131,269	887,522	214,734	88,912

No. of District	Orchard	Market Gardening	Potatoes	Cereals	Sugar Beets	Other Crops	Total Acres Irrigated	Superintendence	Repairs
28	15	17	26	191	.....	61	32,498	.....	.....
30	671	86	459	9,181	.....	10	30,826	\$ 4,810	\$ 10,842
33	164	22	307	6,195	.....	390	17,325	1,050	.....
34	230	.....	465	39,455	.....	10,888	81,863	.....	942
40	16,310	899	4,005	26,437	5,105	9,385	158,303	9,975	45,080
41	4,730	907	8,040	14,705	6,245	5,832	57,586	34,176	34,457
42	12,245	355	2,046	8,396	2,593	16,815	106,099	30,043	65,550
60	267	104	246	18,801	.....	2,940	40,641	7,040	10,520
61	58	19	.....	530	.....	201	3,091	1,425	1,452
68	44	39	251	2,530	48	4,940	18,532	293	7,606
69	14	.....	.....	45	.....	.....	1,246	.....	624
	34,748	2,448	15,845	126,466	13,991	51,462	548,010	\$88,812	\$177,073

District No.	Improvements
30	\$ 5,340.00
33	715.00
41	26,022.00
42	18,858.50
40	9,490.00
60	2,415.00
68	2,985.00
69	280.00
Total	\$66,105.50

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
RESERVOIR REPORT FOR 1925

No. of District	No. in District	Area of High Water Line, Acres	Capacity in Cu. Ft.	Quantity of Water in Reservoir May 1	Quantity of Water in Reservoir Nov. 1, Cu. Ft.	First Day Water was Used
30	3	875	972,763,975	530,000,000	930,000,000	Jan. 1st
34	7	1,136	6,552,118	6,352,818	900,000	May 1st
40	109	3,425	1,765,487,298	1,196,510,056	89,046,800	May 22nd
42	55	2,027	734,943,169	139,392,000	39,813,840	April 15th
60	3	480	333,748,000	92,780,363	298,432,080	Jan. 1st
61	1	200	200,000,000	.....	25,000,000	April 19th
	178	8,143	4,013,494,560	1,965,035,237	1,383,192,720	

No. of District	Last Day Water was Used	Average Number Days Water was Used	Average Daily Amount in Second-Foot	Number Acre-Ft. Carried	Superintendence	Repairs	Improvements
30	Dec. 31	233	78	47,400	.....	.....	.....
34	Nov. 15	188	64	24,330	\$1,175.00	\$ 425.00	.....
40	Sept. 30	36	379	15,470	1,685.00	250.00	\$250.00
42	Oct. 6	41	94	27,322	.....	.....	.....
60	Dec. 31	173	86	25,950	.....	.....	.....
61	Dec. 1	96	15	3,890	810.00	547.50	.....
				135,362	\$3,670.00	\$1,192.50	\$250.00

ANNUAL REPORT OF IRRIGATION DIVISION ENGINEER
DIVISION No. 4 FOR THE YEAR 1926

Montrose, November 27th, 1926.

State Engineer,
Denver, Colo.

Dear Sir: Herewith I am submitting to you by annual report as Irrigation Division Engineer of Division No. 4, for the fiscal year ending Nov. 30th, 1926.

At the beginning of the year the prospects for irrigation water seemed rather discouraging, owing to the light snowfall during the fall and winter of 1925, but during the months of March and April, 1926, the snowfall in the mountains was excessively heavy and resulted in an adequate supply of water for irrigation purposes. The precipitation during the season was above the normal supply, and while in some localities during the late summer the streams were very low, yet on the whole it was a very favorable season. Probably the most difficult part of the Division was on the La Plata river, where a Compact exists between the states of Colorado and New Mexico; but by a system of rotation between the two states, the water officials were able to make the greatest possible use of the inadequate supply of the La Plata river.

During the month of June the Division Engineer was incapacitated by a serious injury, so that he was unable to do his customary amount of hydrographic and other field work, and during this time he was greatly assisted by Chief Hydrographer J. H. Baily, Chief Clerk W. T. Blight and Hydrographer J. R. Williams.

The various Water Commissioners also rendered invaluable service by their kindness during this time.

After using the Improved Venturi Flume for two seasons, we think it the most practical measuring device available, as it is not affected by silt, as is a weir or rating flume, and it saves the expense of much ditch rating.

There was an abundant fruit crop throughout the Division, but the prices received were exceedingly discouraging. The low price, coupled with the order from the Government to wipe the apples, almost ruined the apple industry in this locality. This order was a great hardship on the apple growers, for the reason that it was utterly impossible to hand wipe the apples, and if a machine was used, the fruit was bruised so that it was not marketable; and the wiping of the bloom from the apple destroyed, to a great extent, the keeping quality of the fruit.

The potato crop was rather light, but prices fair.

The yield of the beet crop throughout the Division was very light, but the sugar factories provided a ready market for the beets at fair prices.

The hay and grain crops were not up to the standard, and prices were discouragingly low. Taking the whole crop of the sea-

son, together with the prices received therefrom, it has been a very discouraging season for the farmers.

We think a change should be made in the Water Commissioners' reservoir blanks. For instance—in columns 7, 8, 9 and 14 we think the quantity required should be in acre-feet instead of cubic feet.

We desire to recommend the following changes which we think would be of benefit to the Division and would materially assist the water officials in the distribution of water, in getting a more accurate report as to the crops, the amount of water used, the duty of water, and also the bettering of the service from the standpoint of the water users. Unless a statute is enacted making Water Commissioners assignable by Division Engineers, Water Districts 28 and 62 should be abolished and the territory attached to No. 59, for the following reasons: In Districts 28, 59 and 62 the services of a Water Commissioner are only needed a short time during the season, but there are times when it is almost impossible to dispense with the services of the Water Commissioner in any of these districts. As a result of there being so little work, it is impossible to get a competent man to accept the position of Water Commissioner in these districts. If these three districts were in one district, a competent man could be secured to administer the office of Water Commissioner, and have steady employment during the summer time at an adequate wage that would make it worth while to accept the position. This is not the case at the present time. If this were done, however, we think Hinsdale County should be cut off in a district by itself, as this county will not pay any Water Commissioner's bills, neither can a judgment be collected against the county. Consequently, the Water Commissioner of No. 62 only receives two-thirds of his pay.

In the distribution on the Uncompahgre river, it would be a great advantage to the service if Districts Nos. 68 and 41 were combined in one district. To have one district end at the county line between Montrose and Ouray, and another one begin below the county line, results in the greatest possible amount of confusion, and in loss of water. If one Commissioner had charge of the entire stream, he could handle the water to a much greater advantage to the water users of the whole stream.

May I be pardoned for remarking that we cannot see the justice of the present discrimination that is made in regard to the salaries of the Irrigation Division Engineers of Divisions Nos. 1 and 2, over the other four Irrigation Division Engineers.

In closing, we wish to thank the State Engineer and the entire office force for their kindness and assistance during the past year when it was so greatly needed.

Attached hereto is the tabulated statement of the Water Commissioners' annual ditch and reservoir reports.

Respectfully submitted,

H. C. GETTY,
Irrigation Division Engineer No. 4.

IRRIGATION DIVISION No. 4

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
DITCH REPORTS, 1926

No. of District	Ditches Reported	No. of Priorities	Amount of Appropriation Cubic Feet per Sec.	Capacity of Canals and Ditches Cubic Ft. per Sec.	Length of Canals or Ditches in Miles	First Day Water was Used	Last Day Water was Used
28	236	265	653	2,760	236	April 1	Sept. 1
30	167	220	579	707	240	March 1	Nov. 15
33	41	40	662	395	82	April 12	Sept. 24
34	70	50	1,481	1,870	144	June 1	Sept. 30
40	351	302	2,177	3,221	822	April 1	Oct. 6
41	33	40	1,928	3,278	279	March 1	Nov. 15
42	268	251	4,428	5,232	595	March 10	Nov. 1
60	121	126	572	733	340	April 1	Nov. 15
61	24	17	11	79	265	March 1	Nov. 1
68	120	153	530	523	213	April 1	Nov. 15
69	11	13	18	4	17	March 31	Aug. 31
Totals.....	1,442	1,477	13,039	18,792	3,233		

IRRIGATION DIVISION No. 4

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
DITCH REPORTS, 1926

No. of District	Average No. Days Water was Used	Average Daily Amount in Second-Feet	Number Acres-Feet Used	Number Acres can be Irrigated	Alfalfa	Natural Grasses
28	86	598	103,983	32,716	160	32,088
30	84	387	94,815	53,921	12,029	6,305
33	141	266	3,454	25,449	10,102	.....
34	86	415	122,055	84,865	31,063	1,390
40	126	1,638	435,809	244,821	72,106	29,385
41	201	1,561	701,972	193,425	30,660	1,890
42	102	1,589	587,632	200,266	51,487	10,922
60	80	376	85,311	51,300	16,545	118
61	142	20	5,666	5,580	2,162	40
68	70	261	48,456	22,191	3,623	7,543
69	57	21	3,738	1,219	706	65
Totals.....	107	7,132	2,192,891	915,753	230,643	89,746

IRRIGATION DIVISION No. 4

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
DITCH REPORTS, 1926

No. of Dist.	Orchard	Market Gardening	Potatoes	Cereals	Sugar Beets	Other Crops
28 .....	.....	17	47	297	.....	.....
30	624	68	504	9,277	311	10
33	191	22	334	6,235	15	325
34	5,105	.....	2,507	33,866	195	6,624
40	16,066	1,153	4,064	27,167	4,516	10,238
41	6,741	2,379	12,645	30,565	5,730	11,820
42	12,326	175	1,651	9,413	2,391	16,902
60	153	53	234	5,539	.....	.....
61	43	34	.....	476	.....	185
68	39	18	217	2,577	74	14
69	15	.....	.....	42	.....	.....
Totals....	41,303	3,919	22,203	125,454	13,232	46,118

IRRIGATION DIVISION No. 4

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
DITCH REPORTS, 1926

No. of District	Total Acres Irrigated	Superintendence	Repairs	Improvements
28	32,609	.....	.....	.....
30	29,126	\$ 5,367.00	\$ 12,831.00	\$12,116.00
33	17,224	755.00	.....	275.00
34	80,755	2,624.00	.....	.....
40	164,685	12,650.00	67,224.00	7,375.00
41	102,430	24,850.00	4,009.00	19,120.00
42	105,267	30,343.00	74,271.00	11,826.00
60	22,642	3,100.00	9,945.00	1,320.00
61	2,940	965.00	700.00	25.00
68	14,102	59.00	6,537.00	308.00
69	828	.....	829.00	.....
Totals	572,608	\$80,713.00	\$176,346.00	\$52,365.00

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
RESERVOIR REPORTS, 1926

No. of District	Number in District	Area of High Water Line, Acres	Capacity in Cubic Feet	Quantity of Water in Reservoir May 1	Quantity of Water in Reservoir, Nov. 1, Cu. Ft.	First Day Water was Used
30	3	875	970,456,125	390,632,960	697,397,040	May 27
34	7	1 074	406,856,280	406,719,480	5,200,650	April 14
40	206	7,422	3,603,302,012	3,188,459,272	17,280,000	May 16
42	55	2,027	735,325,779	383,407,677	12,858,160	April 5
60	3	.....	223,808,568	223,808,568	60,568	.....
61	1	.....	.....	.....	.....	April 10
Totals	275	11,398	5,939,748,764	4,593,027,957	732,796,418	.....

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL
RESERVOIR REPORTS, 1926

No. of District	Last Day Water Was Used	Average No. Days Water was Used	Average Daily Amount in Sec.-Ft.	No. Acre-Feet Carried	Superintendence	Repairs	Improvements
30	Nov. 15	182	75	41,700	\$ 1,200.00	\$1,000	\$15,000
34	Oct. 15	190	51	20,580	2,600.00	.....	.....
40	Oct. 10	59	723	72,299	11,264.00	6,175	8,800
42	Sept. 27	38	105	10,768	.....	.....	.....
60 .....	.....	.....	.....	.....	.....	.....	.....
61	Oct. 9	34	33	10,612	875.00	470	25
Totals .....	.....	109	987	155,359	\$15,939.00	\$7,645	\$23,825

ANNUAL REPORT OF IRRIGATION DIVISION ENGINEER,
DIVISION NO. 5, FOR 1925

Glenwood Springs, Colo., Nov. 20, 1925.

Mr. M. C. Hinderlider, State Engineer,
Denver, Colo.

Dear Sir: Pursuant to the requirements of the statutes, I submit herewith the report of my work as Irrigation Division Engineer for Irrigation Division No. 5 for the season of 1925.

At the beginning of the season, when the light winter snowfall and the consequent light spring runoff were considered, the outlook for satisfactory crop production was anything but encouraging, but subsequent showers and heavy rains in June and July proved a great blessing to the farmers who, over a large majority of the division, produced excellent crops. In all of my experience in the irrigation work, and as a close observer, I cannot recall a year when the conditions prevailing at harvest time, in comparison with those at planting time, were so satisfactory as they have been this year.

The regular stream flow, less than normal, was so evenly supplemented by summer precipitation as to make almost ideal crop conditions, resulting in splendid crop yields, and as the prices have been very satisfactory, the farmers are more encouraged than they have been for several years.

Several fields of potatoes yielded 300 sacks of 115 pounds each per acre, and some of these sold for as high as \$4.00 per hundred. Some fields of oats produced a little better than 100 bushels per acre, several fields of irrigated wheat averaged 60 bushels per acre, while some on unirrigated land produced almost half that amount. There has been a splendid yield of alfalfa hay, although some of it was considerably damaged by the rains at stacking time. Sugar beets proved a very satisfactory crop in some portions of the division. The territory has produced more head lettuce, beans, peas, cauliflower, spinach, rutabagas, carrots, parsnips and celery than ever before, and with the exception of lettuce, these crops are all quoted at prices that appear to be very satisfactory to the growers. The fruit yield as well as the market has been quite satisfactory, and prices on live stock are a little better than they have been for several years, and farmers and stockmen are accordingly feeling more encouraged than usual.

Our system of irrigation is not what it should be, there being too great a disposition on the part of farmers generally, to accomplish the most possible with the least possible expense and labor, and a disinclination to provide the equipment required by statute. In fact, on many ditches there is an entire absence of the legally required equipment for the accurate division and measurement of water. This condition has been made possible, to a large extent, because Water Commissioners either have not fully under-

stood the law, and their obligation to enforce it, or else were loath to make use of the power and authority which the law gives them.

I am making more effort than ever before to overcome these unfavorable conditions, but I find it is largely a matter of education, and a slow process, but I have reported to your office, from almost every district, the need of better devices, and there has been a fair response to the notices sent to ditch owners, some of them being anxious to make the needed improvements and showing real appreciation of the aid we have given them through suggestion and advice. In other cases, a slightly resentful disposition has been shown, but I find that when we firmly insist on the necessary improvements, the same are forthcoming.

In one community the conditions became so unsatisfactory to the farmers that a committee of a dozen men called on me in a body to make complaint, and when I told them that the remedy was in their own hands, and that they could not hope for satisfactory results until they provided the necessary and legal equipment, they urged me to serve the proper notices on them and give them the necessary instruction so that they might install the required devices this fall. The notices have been prepared, but I am withholding service, pending advice from your office as to the best devices to recommend for the territory.

I have sought on two occasions to secure the installation of the new Venturi flume which Mr. Parshall has recently brought out and which your office has approved, but thus far I have not been able to install a demonstration flume, but I think after the installation of the first one there will be no trouble, as this appears to me to be a more feasible and practical appliance than any device we have heretofore used. I am hoping that you will make a positive order for the installation of some of them in my field.

My office is still in great need of some system of binding and indexing the decrees, so that they may be referred to with greater ease and convenience, and to the end that they may be protected from unnecessary wear and premature destruction.

I have only encountered this season two instances of law violation so flagrant that we felt obliged to invoke the aid of the court, but the effect was very wholesome, and more far-reaching than I expected.

The statutory compensation for water commissioners is so inadequate that it is with great difficulty that we are able to secure and hold good men. Two of my best commissioners have notified me that they will not continue in the service, although they have not formally tendered their resignations. A vacancy exists in District No. 37, caused by the death early last summer of Mr. McGlochlin, and I have no assurance as to when the place will be filled by the Governor. The remuneration should be the same as in the larger divisions, as under the present arrangement, men well qualified for the work are not attracted to the position.

During the season I visited every district in which there is a

water commissioner, and I want to take this opportunity to thank the commissioners and their deputies for their splendid co-operation in the work. These men have an important duty to perform and many people fail to realize how necessary they are in the agricultural achievements of this state.

The man who as water commissioner seeks to be of the greatest possible service to the community, administering the decrees with precision, and yet with a fair degree of tolerance and common sense, is a jewel, and should be continued in office indefinitely, regardless of politics or religion, and I shudder to contemplate the chaotic conditions that will prevail if the people vote to repeal the Civil Service law and this, with other important offices, becomes subject to the old system of politics.

I desire to reiterate my former recommendations to the effect that water commissioners should be paid from State funds. The present plan is the cause of much contention, and is unsatisfactory in many respects. There is also, in my opinion, much merit in the proposed plan of making water commissioners assignable by the Division Engineer, as I am satisfied that a greater service might be rendered the people than is possible under the present law.

I am fully mindful of the many courtesies and valuable help extended to me through your office, and take this method of thanking you and your assistants for the same.

Respectfully submitted,

A. J. DICKSON.
Division Engineer.

ANNUAL REPORT OF IRRIGATION DIVISION ENGINEER
FOR IRRIGATION DIVISION No. 5, 1926

Glenwood Springs, Colo., Nov. 24, 1926.

Mr. M. C. Hinderlider, State Engineer,
Denver, Colo.

Dear Sir: In accordance with the provisions of the law, and the customs of this office, I submit herewith my annual report of my official activities as Irrigation Division Engineer for Irrigation District No. 5, for the season of 1926.

Notwithstanding the light precipitation by way of snowfall last winter, and the unfavorable outlook in the spring, and the almost total lack of rain during the summer months, the stream flow was fairly good—I think I may say about the average, and crops, throughout the greater portion of the Division, were better than we had hoped for, in view of the early adverse conditions. I think the unfavorable outlook in the spring really served a good purpose, for the farmers, fearing and predicting a water shortage, made the best possible use of the water available, and the water officials, I believe, used greater care in the distribution of water

from the streams, with the result that good crops were common, in spite of the fact that there was less rainfall than usual during the summer months.

While the general crop yield throughout the division was good, I cannot cite any outstanding results along this line. There were not the record-breaking yields that have characterized other seasons, but a good, average yield throughout the division, and with fairly good prices, at least for some of their products, the farmers appear to be more optimistic than they have been for several years.

In spite of the low price on wheat and hay, the farmers are realizing very satisfactory returns on potatoes and sugar beets, two very important crops in my division, and beef cattle and fat hogs are a little stronger on the market than they have been for some years, and the sheep industry is proving quite profitable to those who understand the business and give it close attention.

I have been giving all of my spare time during the past year to the plan of binding and card indexing the decrees in the various districts, but have not been able to devote much time to the work, but expect to finish it this winter. This will greatly facilitate the matter of the practical use of the records, as it will often effect a great saving of time for those who frequently apply to this office for information.

There have been fewer decrees than usual issued by the various courts during the past year. There has also been less irrigation development under way than usual—in fact, I do not now recall a single irrigation project of any consequence that has been initiated in my division the past year, nor has any suspended work been completed, save an occasional ditch of small proportions.

I think, however, (I have not access just now to the tabulated reports), that the cultivated acreage is about the same as last year, with the total yield perhaps a little less than in 1925.

I have but few reservoirs under my supervision, but these proved more helpful this year and gave me less trouble than ever before. The Carbondale Reservoir, fed from Cattle Creek, which has never been a real success, supplied the people, I think, better than ever before—at least I heard less complaint than ever from that direction. The Antlers, or Harvey Gap Reservoir, supplied from Rifle Creek, made the best record in its history of more than thirty years, and the supply ditch was not shut down once during the entire season, although the supply was cut down quite low for one or two short periods.

I was able to make my first visit in September, to the Battlement chain of reservoirs, fed from Battlement Creek. These reservoirs, up to the past three or four years, have been grossly neglected, and even now considerable work is necessary on dams and outlet valves. There are no measuring devices, whatever, and I have ordered these defects remedied before next season.

While my success by way of introducing the Venturi flume as a measuring device is not all that I had hoped for, it is probably all that I could expect, in view of the fact that people are very

slow, as they always have been, in giving their approval to something which they do not fully understand or which, because of its newness, cannot be recommended by those who have used it and found it a success.

However, I have made a start, having secured the installation of ten of these devices, over a distance of about sixty miles, and I have heard only words of praise from those who have put them to the test, and I think the coming year will see at least fifty of these devices installed in this territory. The capacities used thus far are one, two, three and four feet.

On November 6th, I was invited to attend a meeting of Cache Creek water users who wanted to discuss their problems with me. I found 21 interested farmers present, and while at first they were much inclined toward the Cippoletti weir, after I had explained to them that, in my opinion, the Venturi was the device best adapted to meet their needs, they all agreed to install Venturi flumes, and I have agreed to help them with the construction of the first ones this winter, so as to have the devices ready for installation early in the spring.

While I feel that the irrigation work in this division has been very successful the past season, I realize that this success would have been impossible but for the co-operation of the men in the field, upon whom I was obliged to depend to such a large degree, and I must therefore express my thanks to the Water Commissioners and their Deputies who so loyally aided me in this service. I am also deeply appreciative of the advice and courteous treatment extended to me from your office.

Respectfully submitted,

A. J. DICKSON,
Irrigation Division Engineer,
Division No. 5.

ANNUAL REPORT IRRIGATION DIVISION ENGINEER,
DIVISION NO. 6

Steamboat Springs, Colo., Nov. 20, 1925.

Honorable M. C. Hinderlider, State Engineer,
Denver, Colo.

Dear Sir: In compliance with the statutes, I have the honor to transmit the following report for Irrigation Division No. 6, for the fiscal year ending November 30, 1925.

The first use of water for direct irrigation was reported for the first week in May by a number of ditches taking water from Roaring Fork of the Yampa River in District No. 58 and from ditches taking water out of Piceance and Coal Creeks in District No. 43. Shortage of water was reported by the Water Commissioner, District No. 43 in Piceance Creek and Coal Creek on May 11 and on the Roaring Fork of Yampa River by Commissioner of District No. 58 on May 13. This shortage on the Yampa River continued until about May 31, when the situation was relieved by heavy rains. This was followed by warmer weather which melted the snow in the higher altitudes. During the remainder of the irrigation season the supply kept up pretty well with the demand.

During the latter part of May, Water Commissioner of District No. 43 visited every ditch on Piceance Creek and tributaries, totaling about 92 in all. Insisted upon measuring devices being placed in each ditch and the necessary repairs and erection of headgates and on June 1, reported that he had the situation well under control. Every ditch was on its decreed allowance and that prospects were favorable of there being no immediate cut.

Various other shortages of minor nature were reported throughout the division during the month of May and extending into July. This was the driest May that has been experienced in this division since any records have been kept. We do not know of any instance previous where there has been shortage of water for irrigation during the month of May, on any of the streams in the division. The principal reason was because the snowfall in the higher altitudes was below normal, cool weather and no precipitation during the month, with lack of moisture in the ground at the start. Another reason and one that may bring about a repetition of any early shortage, is the early and heavy demand for water for the irrigation of head lettuce as the acreage increases for this crop. We note that the demand for water increases accordingly, even though no more land is brought under cultivation.

These conditions changed, however, as the season advanced. The precipitation from June 1st to Nov. 1st was ~~about 10 inches~~ the bulk of this being from August first to November first, or during the harvesting and threshing season, which had both good and ill effects on the following principal crops:

Hay in general, considerable above average in quantity, but

quality inferior. The poor quality caused by too much rain during the cutting and stacking season. One large hay producer in vicinity of Steamboat Springs reported only eleven days work out of sixty-five in attempting to put up hay. The foregoing was about the average throughout the division.

Grain, exceptionally good crop, but poor harvesting and threshing conditions, which effected the quality to some extent; however, taking it on the whole, the damage to the crop has been very small. The loss occurring mostly to those who left their grain in the field and did not stack. Threshing machines are still busy in all sections; as explained before, the harvesting season has been extended much later than usual, however, there are some record productions in crops, reported: Oats are running from ninety to one hundred bushels to the acre, with wheat forty to fifty bushels per acre.

Potatoes have perhaps netted the grower the most profit this season as the yield and quality are above the normal and the market is unusually good.

Head lettuce growers produced a fair crop per acre. Harvesting conditions were bad, and with the poor market, the growers did not net a good profit, however, there is an increase of acreage over that reported last year.

Experiments were carried on with the growing of sugar beets in the Hayden Valley. They were found to be of a very good quality and the soil and climate favorable for this crop.

HYDROGRAPHY

This office through the supervision of Mr. Bailey, Chief Hydrographer, maintained seven Base River Stations, located as follows:

Yampa River at Steamboat Springs, Yampa River at Maybell, Elk River at Trull, White River at Meeker, White River at Watson, Utah, Little Snake River at Lily Park and Williams River at Hamilton. A total of 42 discharge measurements were made thereon. No extra high stage was recorded. The highest water was from June 1 to June 15. Gradual drop in streams extending until the last week in July, which was the extreme low stage. After the rainy season commenced the first part of August, all streams increased gradually and remained above the normal low water period the remainder of the year.

Ratings were made on twenty ditches and canals, afterwards weirs were installed on all but three.

WATER DISTRICTS

DISTRICT No. 43

The streams in this district requiring the continuous service of the Water Commissioner during the irrigation season are, Miller, Flag, Piceance and Coal Creeks and frequent visits to a number of other small streams scattered throughout the district. The

work was carried on, however, very efficiently by the Water Commissioner with the aid of one deputy. About June first a charge was made direct to the Governor's Office by Mr. Frank Gregory, a water user on Flag Creek, that the Water Commissioner was allowing others on the creek an excess of water at his expense and various other things. This was the climax after a personal combat between the deputy and the mentioned water user, on May 26, when the deputy was assaulted by Mr. Gregory. Their differences were settled in court. Mr. Gregory's complaint was over the diversion of water through the Harvey Ditch from West Miller Creek to Flag Creek, claiming that more water was brought through this ditch than was being allowed to him by the Water Commissioner at the point of diversion of his ditch several miles down Flag Creek. His complaint to the Governor resulted in the visit of Mr. Hezmalhaleh, Deputy State Engineer, on June 10th. An investigation at this time showed no grounds for complaint by Mr. Gregory.

Accompanying this report is a summary of a complete Ditch and Reservoir Report for District No. 43.

DISTRICT No. 44

The principal streams requiring continual service of the Water Commissioner in this district, are Fortification, Milk, Wilson, Morapas and Good Springs Creek. This work was handled by the Water Commissioner without the assistance of a deputy. The Water Commissioner, Mr. Clifford Collom, sent in his resignation on September 2, after having some difficulty with the Board of County Commissioners over a mileage allowance.

No Water Commissioner's report for District No. 44.

DISTRICT No. 54

The principal streams in this district needing attention of the Water Commissioner are Four Mile, Willow, Slater Creek and Tributaries.

Some appeals were made direct to this office this season, for some service on the streams, including measurements and the regulation of headgates, etc. Upon inquiring into the matter it was found that there are any number of water users in the district, who will not call the present Water Commissioner for assistance. They are dissatisfied with, and do not trust his methods and that there is nothing sure of him answering a call if one is made. Have stated in previous reports that this office has no record of this Commissioner performing any duties in connection with his office for the past several years.

During the month of June, considerable time was given to this district, by this office. Measurements were made and weirs placed on ditches taking water out of Willow Creek.

No Water Commissioners Report from this district.

DISTRICT No. 55

No Water Commissioners services, for one not necessary. There has been no complaints filed from this district this season.

No Water Commissioner's Report from this district.

DISTRICT No. 56

No Water Commissioner. Very little irrigation in this district. Most of the ditches at present time are taking water from springs and only one case where there has been a decree granted to two ditches from the same source. This district has given no trouble this year.

No Water Commissioner's Report from this district.

DISTRICT No. 57

The principal streams requiring continual service from the Water Commissioner during the irrigation season, in this district are Trout, Fish, Dry and Grass Creek. This Water Commissioner is still out of his district. The necessary work was handled by this office.

No Water Commissioners Report included from this district.

DISTRICT No. 58

The principal streams requiring continual service of Water Commissioner in this district, during the irrigation season, are Roaring Fork of Yampa River, Hunt, Watson, Oak, Deep and Fish Creek and main Yampa River. It is evident that the Water Commissioner could not or did not attend to his duties as he should, as a petition was brought to this office early in the spring demanding the removal of the present Commissioner, or that he appoint a competent deputy to look after their interests. This resulted in the appointment of Ruben Squires as Deputy on May 20th, to look after the regulation of water on the Roaring Fork of Yampa River. Have heard no complaint from this section since his appointment.

On May 25, a temporary rating was established on the Yampa River eight miles north of Yampa. This is above all ditches on the river excepting the Still Water Ditch, which has junior right.

Accompanying this report is a partial ditch report for this district.

Mileage of the Division Engineer increased materially by the necessity of performing the duties of Water Commissioner in the districts having no Commissioner and where the Commissioner is not performing his duties.

Following is an itemized account of travel expense with Nash four car:

MILEAGE TRAVELED 7,580

Item—	Amount	Cost	Average Price	Cost Per Mile
Gas	407 gals.	\$126.48	\$.31	\$.0167
Oil	19¼ gal.	19.25	1.00	.0025
Grease	13 lbs.	4.30	.30	.00057
Repair to Tires.....		6.55	....	.00086
New Tires Approx.....		100.00	....	.0132
Equipment		26.75	....	.0035
Storage		58.00	....	.00765
Repairs		40.00	....	.00528
Miscellaneous		2.00	....	.00027
Totals.....		\$383.33		\$.05053

Average 18.6 per gallon of gas, 400 miles per gallon of oil.

	Expense	Mileage	Cost Per Mile
1924	\$354.85	9,400	\$.03 3/5
1925	383.33	7,580	.05
Totals.....	\$738.18	16,980	\$.04 3/10

This office is preparing a division map, which when completed, I believe will be of great value to this office and the Water Commissioners. On this map we are endeavoring to show all streams, especially those having any water rights, natural lakes, constructed reservoirs and reservoir sites, points of diversion of the decreed ditches, present irrigation area and area that can be irrigated under present proposed projects. A tabulation of all creeks and number of water rights therefrom with total amount diverted from each stream.

There has been very little new construction work carried on during the season. The Chapman-Hughes Reservoir Company near Yampa are contemplating the enlargement of their reservoir and understand they expect to start construction in the near future. The present capacity being 159 acre-feet and as enlarged will be 348 acre-feet, dam 33 feet in height.

Comparing of the decrees on file in this office with those on record in the District Court has been completed this year. Also a check on the corrected decree list on file here, with the list supplied and on file in your office. Note was made of any corrections or additions to your list. A tabulation of all decrees not on your list, will be gotten up and forwarded to your office separate from your report.

Respectfully submitted,

B. T. CHASE,
Irrigation Division Engineer,
Division No. 6.

TABULATION DITCH AND RESERVOIR REPORT WATER COMMISSIONER, DISTRICT NO. 43

DITCH REPORT

Amount of Appropriation, Cu. Ft. per Second 854.68	First Day Water Used from Natural Streams, April 10	Last Day Water Used from Natural Streams, Average about Aug. 15 some late as Sept. 1	Number of Days Water Carried 143	Average Daily Amt. of Water Diverted from Natural Streams 715.44 C.F.S.
No. of Acre-Feet Used by Canals for Season from Natural Streams 148,682	Total Number of Acres that can be Irrigated 39,944.85	Alfalfa 17,642	Natural Grass 6,444	Cereals 3,469
	Total Irrigated 27,524	Superintendence \$896.00	Repairs \$12,522.00	Improvements \$1,966.37
				Other Crops 35

RESERVOIR REPORT DISTRICT NO. 43

Number in District 13	Area H. W. L. Acres 80.70	Capacity Cu. Ft. 34,946,715	Quantity in Reservoir May 1st 24,974,814	Quantity in Reservoir Nov. 1st 9,843,777	First Day Water was Used May 1st	Last Day Water was Used Aug. 12th
	Average Number of Days Water Carried 34	Average Daily Amount of Water Carried 5.50 C.F.S.	Number of Acre-Feet of Reservoir Water Used During Season 340			

The Crop Acreage is given under Ditch Report.

ANNUAL REPORT IRRIGATION DIVISION ENGINEER

DIVISION No. 6, 1926

Steamboat Springs, Nov. 22, 1926.

Honorable M. C. Hinderlider, State Engineer,
Denver, Colo.

Dear Sir: I herewith submit my report for Irrigation Division No. 6 for the fiscal year ending November 30th, 1926.

The season was early, but backward due to the weather remaining much colder than usual during April and May. It warmed up the first part of June with some killing frosts following during this month, which had its effect on various crops, retarding the growth to a certain extent. However as the season progressed this damage was not so serious as was at first feared.

The first uses of water for direct irrigation as reported by the Water Commissioner was for the Lamb Ditch, District No. 44, May 15th, on Fortification Creek.

Storage moisture was below normal, but was about equal to 1925. The precipitation of snow during the past winter was generally lighter than usual throughout northwestern Colorado. An average reading of the snow scales in the National forests at the close of March indicated that the stored moisture in the higher mountains was practically the same as that of last year on the same date, while considerable more snow fell during the month of April this year in the higher altitudes.

As stated the reading for both 1925 and 1926 were below normal and excellent crops produced both years. A general failure of crops through the lack of moisture being unknown here. Taking last year for example which was about the lowest in the precipitation of record. This section exceeded every portion of the state in the amount of yield to the acre, in grain, grasses and vegetables of the more hardy varieties suited for this altitude.

The farmers were greatly encouraged with what appeared to be early spring and considered crop conditions would be much better than usual, which had its good effect by enthusiasm among the farmers in the early spring.

The snow scale readings at seven of the National forest stations at the end of March for the last three years, showing the snow depths in inches as follows:

	1924	1925	1926
1	60	58	43
2	37	35	39
3	22	17	33
4	46	38	29
5	48	42	40
6	34	26	32
7	53	44	45

The White River drainage this year was reported 74% of normal. The Sage Creek Reservoir stored water to a depth of 12 feet or a total of 123 acre-feet. This water was used during the month of July.

Few small reservoirs were filled to capacity by May 1st. Two additional reservoirs were examined and reported on the regular forms; Baxter's Lake Reservoir in District No. 43 and Morgan Creek Reservoir No. 1 in District No. 57. Of a number of the smaller reservoirs reported by the Water Commissioner, the records show that the average storage of these reservoirs were about 50% filled at the starting of the irrigation season.

Weather conditions were ideal this fall for harvesting, threshing, etc. The hay harvest was interfered with to some extent during the first part of August by rains, but no damage was done, only to the extent of prolonging the time of cutting and stacking, and owing to the scarcity of farm labor in this country, some farmers had added difficulty in this respect.

Since 1919 the number of cattle ranged and fed in northwestern Colorado has dropped to about 25%. The largest drop being since 1922. This is made up some by an increase in number of small herds; however, for the past three years there has been an over-production of hay, as the amount of hay raised has been decreased only in a very small proportion to the decrease in stock. A great amount of last year's hay is still in the stack with a poor prospect this year of a market. Cattle and sheep shipments have been very heavy so far this year which does not look at all encouraging to the hay produce.

Grain is of good quality and threshing conditions were good. There will be a good profit made on this crop.

Both grain and potatoes are now being marketed with a number of carloads being shipped from Craig, Hayden and Steamboat Springs. The potato crop is short throughout the entire section this year, owing, no doubt, to the late frosts which nipped the tops necessitating a second growth of leaves which retarded development of the tubers.

The last car of lettuce was loaded from the Yampa Valley fields, October 9th, bringing the total car shipment up to 536. The crop was a profitable one, netting returns of more than \$325,000 for car shipments alone. The parcel post, trunk and express shipments netted thousands of dollars in addition. The market was much better throughout the season than it was last year. Some consignment shipments netted \$4.50 per crate. The carload shipments show an average net return per crate above \$2.00. The high mark per acre was in several cases above \$500, although growing conditions were not as favorable as expected. The season, however, was from ten days to two weeks longer than last year. Without exception the growers of lettuce will all plant the lettuce crop next spring, and many additional growers are expected to enter the field. As the methods of planting and culture, choice of soil locations are understood, lettuce will become a staple crop of northwestern Colorado. The pea crop this year has been satisfactory as to yield and returns and increase acreage. Sufficient land was put into peas this summer to warrant the planting of extensive fields next year for the market. Included

in the mixed vegetable cars there were in excess of 90,000 pounds of peas shipped from the Yampa Valley this summer. The price was around \$.06 per pound; at this price the pea crop is a better paying crop than the lettuce. One farmer realized more than \$2,000 from a five-acre patch of peas.

With the completion of the Moffat Tunnel, better transportation facilities, the erection of canning factories, land in north-western Colorado will be in great demand. Vegetable growing for the market will result in many new families locating in this section.

All this, of course, creates a greater demand on the water supply and the effects have been felt already by those in charge of the administration of the water. We have therefore been gradually working up to this end. To meet the conditions by encouraging and in some instances requiring better structures in the ditches, so that the water can be handled readily and encouraging an economy in the use of water.

Our greatest problem at the present time is the over-adjudication of water to the ditches. For example a ditch has been granted an absolute decree for 20 c. f. s. which was originally intended to irrigate 1,200 acres and the water actually applied in this ditch may not now be covering more than one-half the amount of decree.

During the month of September, I visited every ditch in Water District No. 58 to ascertain the use and application being made of the water, condition of ditch, and as to what ditches had decrees that were not in use or never built. There was found several ditches in the district that were decreed a water right and no ditch in existence. This report will be completed this winter after checking field notes with the office records. This work was done because of there never having been made a complete report of this district by the Water Commissioner.

During the month of June and July considerable time was spent on Fish Creek in District No. 57. I was called upon to administer the water of this Creek owing to the absence of the Water Commissioner from the district. Mr. Charles N. Mason of Hayden was appointed Water Commissioner of District No. 57 on August 1, 1926, to fill vacancy created by C. W. Harkness who was absent from his district the past few years. After Mr. Mason took charge there was no occasion for his services. Mr. Mason resigned from the position on Nov. 15, 1926, without making report for his district.

On June 29th I was called to take over the administration of the water on Four Mile Creek in District No. 54. There was some difficulty between the water users and the Water Commissioner. This matter was adjusted satisfactorily and turned over to the Water Commissioner and no further trouble has been reported.

A dispute arose in District No. 43 on Willow Creek concerning Pile Ditch; parties asking injunction restraining Water Com-

missioner from turning any water into Pile Ditch on the grounds that the headgate had been moved and that water was being used on land for which it was not decreed. The Water Commissioner was ordered to keep this water in the Pile Ditch until the case was decided otherwise by the court.

Mr. E. W. Hamilton, Water Commissioner of District 44 has been very satisfactory, this being his first year on the work. He has had placed, six Venturi flumes in his district this summer on the following ditches:

A. Q. Ditch—Good Springs Creek.

Tipton Ditch—Dry Fork, Little Bear Creek.

Egry Ditch—East Fort, Williams River.

Hulett and Torrence—Milk Creek.

D. D. & D. Ditch—Milk Creek.

Highland Ditch—Morapos Creek.

I went over this district with Mr. Hamilton the latter part of April to assist him in getting acquainted with his district.

Seven river stations were maintained as formerly reported upon, on which forty discharge measurements were made this year.

Following is a tabulation containing total expense of operating Nash four car for last three years.

Year	Expense	Mileage	Cost per Mile
1924	\$ 354.85	9,400	.033 ½
1925	383.33	7,580	.05
1926	462.01	9,020	.05
Totals.....	\$1,200.19	26,000	.042

Hereto is attached a tabulation of the annual reports of the Water Commissioners.

Respectfully submitted,

B. T. CHASE,
Irrigation Division Engineer,
Division No. 6.

IRRIGATION DIVISION NO. 6, 1926 ANNUAL REPORT

Water District Numbers Having Water Commissioners	Amount of Ap- propriation C.F.S.	Number of Days Water Carried	Average Daily Amount	Number of Acre- Feet Used
District No. 43.....	697.249	12,383	698.39	209,770
District No. 44	169.04	946	4.20	8.040
District No. 54 .....	.....	.....	.....	.....
District No. 57 .....	.....	.....	.....	.....
District No. 58	163.00	1,763	3.10	13,250
Totals	1,029.289	15,092	705.69	231,060

District No. 43 Complete Ditch Report.

District No. 44 24 Ditches reported, about one-tenth of district.

District No. 54 Not enough ditches to warrant tabulation were reported by Water Commissioner.

District No. 57 Water Commissioner resigned before making report.

District No. 58 20 Ditches reported, about one-twentieth of district. No crops listed.

No. of District	Total Number Acres that can be Irrigated	Alfalfa	Natural Grass	Cereals	Market Garden	Potatoes
43	28,530	14,956	4,236	3,177	30	25
44	10,165	3,045	3,185	1,305	30	91
54 .....	.....	.....	.....	.....	..	..
57 .....	.....	.....	.....	.....	..	..
58 .....	.....	.....	.....	.....	..	..
Totals.....	38,695	18,001	7,421	4,482	60	116

No. of District	Cabbage	Other Crops	Total Irrigated	Superin- tendence	Repairs	Improve- ments
43	22,424	\$250.00	\$9,585.12
44	3	75	7,751	910.00	\$875.00
54
57
58
Totals.....	3	75	30,175	\$250.00	\$10,495.12	\$875.00

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